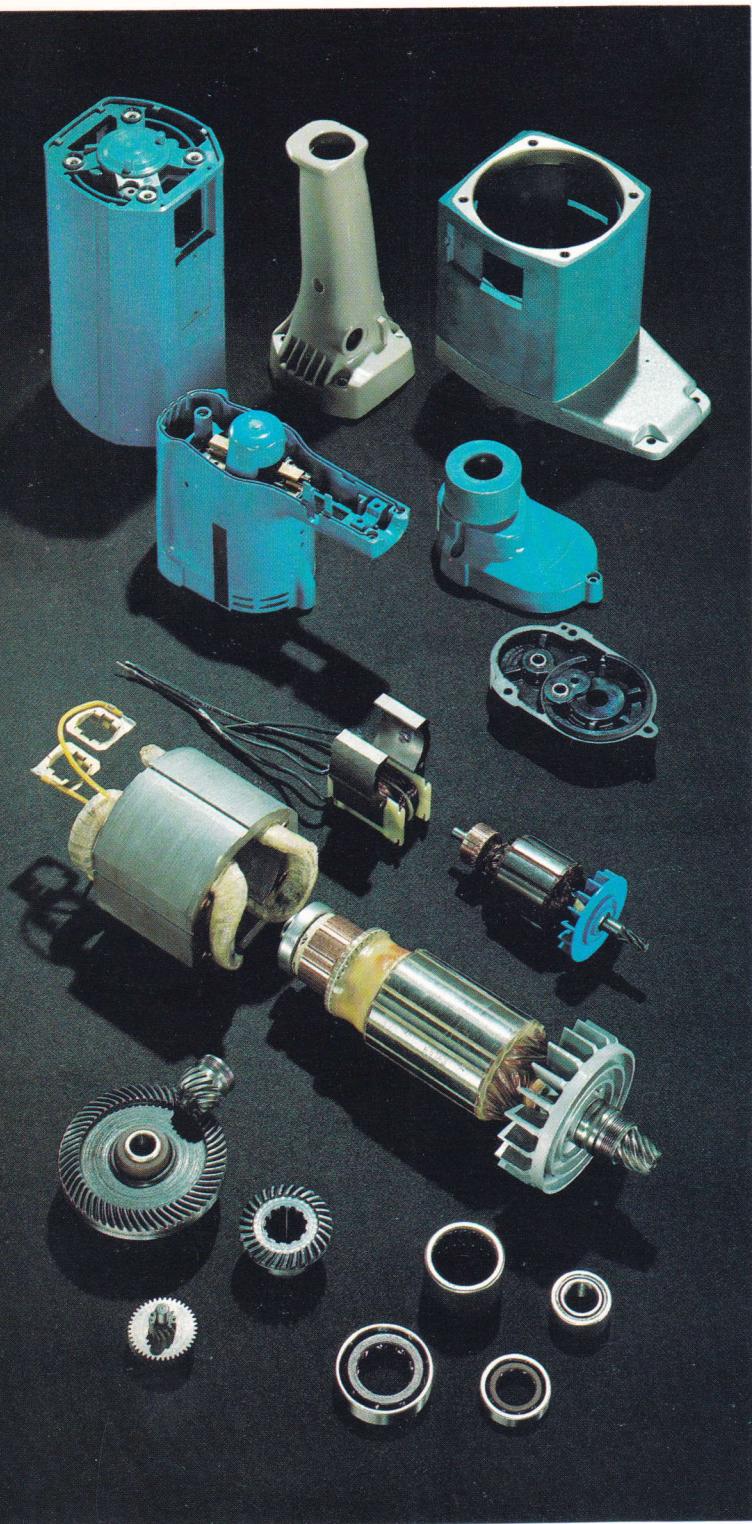




BOSCH POWER TOOLS

- DOUBLE INSULATED
- AIR
- HIGH CYCLE

Production Philosophy



Design, Material, Control

When you look at the basic components of a power tool, you will find that the list of ingredients is the same with all brands on the market: Housings, motor, gears, bearings, supporting components and a cord with a plug make up an electric tool. However, the similarity between different brands ends right here.

Bosch . . . when you know the difference!

In housings, we use the finest nylon compounds, strengthened by millions of tiny fiberglass elements: They are both safe (because non-conductive) and durable, because of our many years of production experience. We produce structurally sound parts consistently, day after day. Bosch Power Tools are safer and perform longer.

Our motors are designed for efficiency, power and endurance — which means burn-out resistance, right in the heart of the tool. Every inch of wire in the windings of armatures and field coils is coated with a very high temperature insulating material to resist failure, even under extended overload conditions. Bosch armatures are totally encapsulated in a polyester resin envelope to resist the strains of heavy duty use and to control the negative effects of humidity and moisture. They are precisely, dynamically balanced for quiet, smooth operation and a long life.

Efficient, dependable power transmission from the motor to the "business end" of the tool requires absolute perfection in gear design, material selection and workmanship. Bosch Power Tools have helical and spiral gears for ultimate strength, efficiency and quiet power transmission. The materials used are selected on the basis of gear load factors and include the finest alloy steels, heat treated to perfection. Gleason cut gears, as well as electronic checks to individually match components into sets with ideal mesh are a daily routine with Bosch.

Only the best ball, roller and needle bearings can bring all the motor-power and gear perfection into friction-free movement. Bearing seats and supporting bores are meticulously machined and controlled, to assure accurate alignment and minimum interference.

3 Bosch Power Systems



Double Insulated Tools

Prior to the introduction of Double Insulation , the only safety system available against shock hazards was the three-wire grounding with a three-prong plug. The idea here was to avoid injuries to the operator in the case of failure, by carrying away leakage currents safely through the ground wire; with a blown fuse as a net result instead of personal harm to the user.

The following reasons will convince you of some drastic shortcomings of this approach:

- Most electrical outlets available to power tool users are for two-prong plugs only, which require three-wire adapters: besides being inconvenient, these adapters sometimes are not installed properly, in which case they are useless.
- The tool user seldom has the knowledge and the equipment to check three-prong outlets for proper wiring and grounding — which brings a lot of uncertainty into this system. There is always a question as to whether or not the outlet is properly ground wired.

The Double Insulation system, introduced by Bosch as early as 1935, replaces the three-wire system and eliminates uncertainty. It is a recognized and approved system, acceptable to Underwriters' Laboratories and federal OSHA authorities.

Laboratories and federal OSHA authorities.

The tool can be used with equal confidence in two or three-prong outlets, whether the outlet is grounded or not. The genuine double insulated tool — and only such a tool — can be equipped with a two-prong plug and still protect the user from shock hazards.

There are two separate systems of electrical insulation that provide Double Insulation : if one system fails, the second system prevents dangerous electrical leakage from leaving the inside of the tool. This second system consists of high strength, non-conductive housing materials, which keep the user from touching a metal surface that might be electrically charged from the inside of the tool. Internally, two layers of insulation permanently isolate electrical components.

Wherever possible, non-conductive materials are also used for gear housings. This precaution is taken, because it is possible, for example with a drill, to strike a hot conductor while working with the tool, which will cause a hazard. Bosch has reduced this risk more extensively than any one else in the tool business.

In short: Bosch double insulated tools provide the highest degree of electrical safety, actually far beyond present safety code requirements.



High Cycle Tools

The idea of using brushless induction motors for portable equipment is another example of the innovative spirit at Bosch. Here is what this idea has accomplished for you:

- Less maintenance — no carbon brushes.
- More power per pound of tool weight. If you take for example, a regular electric tool of 15 lbs. weight and compare it to its counterpart in the high cycle range, you will find that the high cycle tool will have an output of at least twice as much horsepower.
- Compact tool size. Even if one could build a regular electric tool with the same horsepower output as its high cycle counterpart, chances are it would be twice as bulky.
- Safety. In a high cycle tool, no moving part is wired

to the power source. The only hot components are the switch and the field coil. The armature (rotor) is self-excited.

- Economical, efficient operation. Only relatively small, compact power generators or converters are required, instead of bulky compressors. Instead of a truck with trailer, you can usually carry your equipment in a standard size car trunk or a station wagon. Power costs, original investments and operating costs are usually substantially lower than with comparable systems.

We have a respectable line of High Cycle Tools for construction and industrial applications: For Construction High Cycle Tools, please refer to the respective pages in this catalog; for Industrial High Cycle Tools, request special literature from any of our offices.



Air Tools

For many years, we have complimented our complete line of electrically powered tools with a comprehensive selection of Air Tools — some of which are unique, if not exclusive in the market, such as our famous air

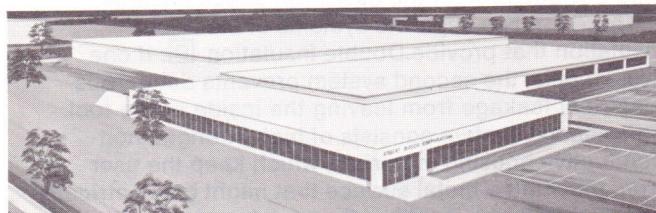
jigsaw and our air powered sheet-metal tools, which you will find in this catalog. For further information, please request our special catalog.

A few words about Bosch

Robert Bosch Corporation



CHICAGO



NEW YORK



HOUSTON

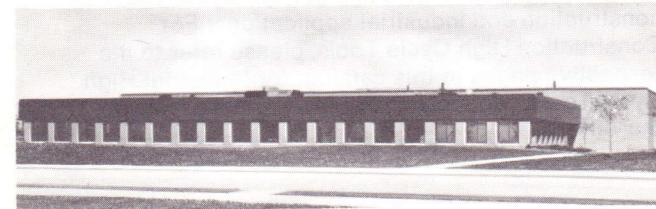


SAN FRANCISCO



LOS ANGELES

Robert Bosch (Canada) Ltd.



TORONTO

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

We have been in the business of manufacturing power tools since 1929.

Our company history began even earlier — in 1886, when the founder, Robert Bosch (1861-1942), established a "three-man workshop for precision mechanics and electrical engineering". Robert Bosch was one of the foremost pioneers in the automotive industry. His name is very closely linked to the dramatic and historical developments of the first motor cars, he influenced the rapid sophistication of the industrialized world. Today, more than 100,000 employees are working for the worldwide, multi-national Robert Bosch organization in more than 120 countries.

From the very beginning, we have been innovators. And we are still pioneering new concepts. New to others. But basic to us.

Like Double Insulation . As you go through this book, you will find a complete, coherent line of professional tools. No one else — anywhere, here or abroad — can match our line of double insulated heavy duty tools. This means that over the last 38 years, we have been very concerned about the safety of industrial electric tools. What is new to others today, was new to Bosch in 1935: the Double Insulated Electric Power Tool. We have not waited for progress. We brought it about, for your benefit.

We are here to put power into your job: Drilling, Cutting, Chiseling, Breaking, Fastening, Grinding, Sanding, Polishing, Tapping, Planing ...

... whatever it is you are doing for a living, we are doing it for a living, too — in our laboratories first and then in the field — in your shop, some day — to help you economize. Here in North America as well as in more than 120 countries around the world.

Here is the team that gets the results for you: Bosch, your Distributor and the Service Center.

On the left, you'll see where we are. (And what our places look like.) In the Yellow Pages of your telephone directory, you'll find your full-line Bosch Power Tool Distributor under "Tools-Electric". On the inside back cover of this catalog, we have listed the Bosch Authorized Service Centers for major cities. Your Distributor can guide you easily to the service facility closest to you — anywhere, from coast to coast.

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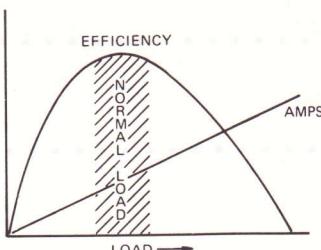
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Efficiency, Performance, Safety

The Amp-Race Is Over. The Final Results are In:

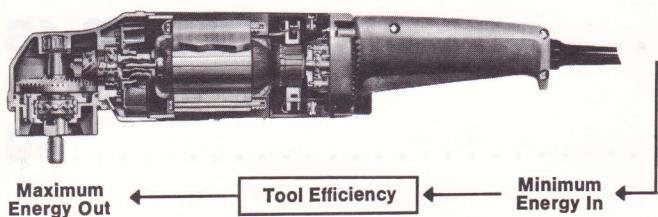
The fact, whether you are putting 3 amps or 5 amps into your tool, according to the nameplate rating, has relatively little to do with the actual performance on the output side. (You rate your car by horsepower-output, not by the gallons of gas you use up — why would you rate a power tool differently?)

In keeping with our proven tradition of quality materials and workmanship, Bosch Power Tools provide quality performance through efficient motor designs. All Bosch Tools are designed to operate at the maximum efficiency associated with a particular tool function. This means that minimum power is consumed to provide maximum usable work at the "business end" of the tool. Our continued efforts to provide the ultimate in efficiency will reflect in conservative ratings with ample reserve power to handle the toughest applications.



Amp vs. Horsepower:

As explained before, the so-called "amp-rating" of a tool is restricted to the power-input, while the "horse-power rating" states the actual power output, which you are really interested in. (So are we). The horsepower values shown in this catalog are based upon peak horsepower at the output spindle of the tool and measured in accordance with the procedures published by the Power Tool Institute.



Underwriters Laboratories Inc. Listing Canadian Standards Association Certification

Bosch Power Tools are pledged to a continuing program for achieving and maintaining recognition from safety certification authorities throughout the world. As part of our conformance to these

rigid standards, we are proud to display these symbols of recognition.



Power Tool Institute — P.T.I.

The Bosch Power Tool Division is an active member in the P.T.I. We subscribe to the procedures that allow us to display the "P.T.I. Safety Seal."



This seal assures:

1. That the manufacturer's power tools including the particular tool associated with the Seal, are produced in accordance with applicable Standards for Safety of Underwriters' Laboratories, Inc. and American National Standards, Inc. (ANSI).
2. That compliance with applicable safety standards is assured by independent inspection and testing conducted by Underwriters' Laboratories, Inc.
3. That the tool manufacturer is a member of the Power Tool Institute, Inc. and is a sponsor of the Institute's Consumer Safety Education Program.

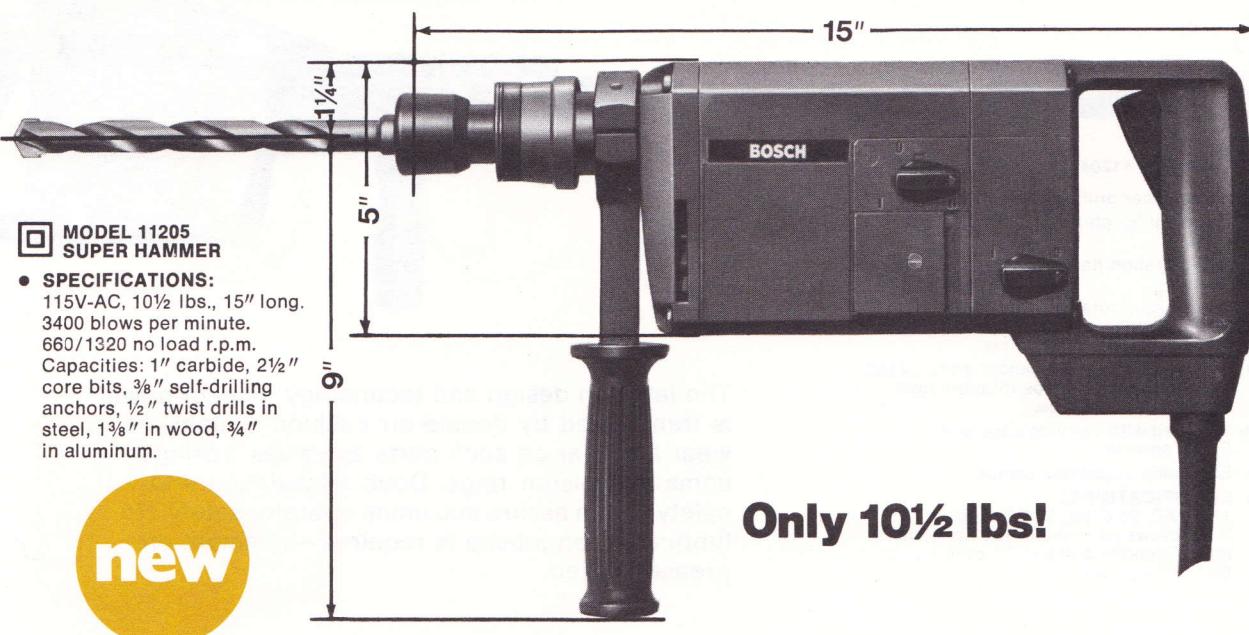
U.S. Department Of Labor Occupational Safety And Health Act — (OSHA) Safety And Health Regulations For Construction

Bosch Power Tools are constructed in accordance with applicable, published federal standards and the latest amendments to these standards. If specific questions concerning the conformance of our product should arise, informed and qualified personnel are available to provide prompt clarification. Contact your Bosch distributor or your Bosch field sales representative.

Hammers, Breakers

Double
Insulated 

11205 Super Hammer



MODEL 11205 SUPER HAMMER

- SPECIFICATIONS:**
115V-AC, 10 1/2 lbs., 15" long.
3400 blows per minute.
660/1320 no load r.p.m.
Capacities: 1" carbide, 2 1/2"
core bits, 3/8" self-drilling
anchors, 1/2" twist drills in
steel, 1 3/8" in wood, 3/4"
in aluminum.

Only 10 1/2 lbs!

Designed in the Bosch tradition of safety, quality and long useful life, this is the newest and most versatile addition to the Bosch rotary hammer line.

Compact, lightweight and packed full of features, one unit gives these outstanding functions:

- Rotary hammering in 2 speeds
- Hammering (stop-rotation)
- Drilling in 2 speeds

This is the perfect rotary hammer for:

- Carbide drilling up to 1" diameter
- Core drilling up to 2 1/2" diameter
- Self-drilling anchors up to 3/8" diameter
- Drilling in steel, wood, aluminum, plastics, etc.

Compare these outstanding features and you'll agree that this is truly the finest and safest lightweight rotary hammer on the market.

Super Features

- | | |
|---|--|
| COMPACT & LIGHTWEIGHT | — Only 10 1/2 lbs.! Perfect for overhead drilling, less operator fatigue. Gets into the tightest corners. |
| MULTI-PURPOSE | — Convenient selector knobs provide versatility for: |
| ROTARY HAMMERING | — Solid shank carbide drilling up to 1" dia.—core drilling up to 2 1/2". |
| STOP-ROTATION | — Drill and set self-drilling anchors up to 3/8". |
| ROTATE ONLY | — Use it as a drill. |
| 2-SPEEDS | — 2-speed gearing provides no load RPM of 660/1320 for drilling and rotary hammering operations. |
| DOUBLE INSULATED & ("ALL INSULATED") | — All exposed surfaces are non-conductive. Extra safety when drilling "blind holes" and striking live conductors. Exceeds latest Underwriters' Laboratories, Inc. standards. |
| SAFETY CLUTCH | — Pre-set safety clutch "kicks in" under stalled conditions—protects the user against surprise stalls. |
| "QUICK CHANGE" TOOL HOLDER | — Simply insert the accessory tool —push and "click"—insert tool is positively and safely locked in place. |
| "HAMMER WITH A BRAIN" | — Exclusive carbon brush design automatically turns off the tool when regular maintenance is required—built-in preventive maintenance for long life. |
| SPLINE DRIVE BITS & ACCESSORIES | — Uses Bosch, standard spline shank accessories same as 11202, 203 and 204. Completely interchangeable. |
| BALANCED HAMMER MECHANISM | — Minimum vibration reduces operator fatigue and lengthens hammer life. |
| ADJUSTABLE AUXILIARY HANDLE | — Non-conductive handle, with split clamp mounting for positive positioning, rotates 360° to accommodate work situation. |
| POSITIVE SET DEPTH GAUGE | — Can be pre-set for specific depths —assures repeatability—a must for "drop-in" anchors. |



PART NO. T 1835

CHUCK ADAPTER FOR DRILLING IN WOOD OR STEEL.

Fits all 1/2"—20 internally threaded chucks.

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ADDITIONAL ACCESSORIES SHOWN ON PAGES 9, 10, AND 11.

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11202, 11203, 11204 Rotary Hammers



MODEL 11204, 2" ROTARY HAMMER

- For hammer drilling in tough concrete.
- Excellent for chipping, chiseling and scaling.
- Anti-vibration handle reduces operator fatigue.
- Built-in stop rotation mechanism for hammering action only, ideal for setting self-drilling anchors.
- Unique selector grip handle gives added support. Left turn stops rotation, right turn increases torque.
- Supplied with carrying case and 5 dust shields.
- Externally adjustable torque.
- SPECIFICATIONS:**
115V/AC, 23.5 lbs., 23 3/4" long.
2,260 blows per minute, 150 r.p.m. full load. Capacity drill bits 2", core bits 5".
Self-drilling, anchors 7/8".



MODEL 11203, 1-1/2" ROTARY HAMMER

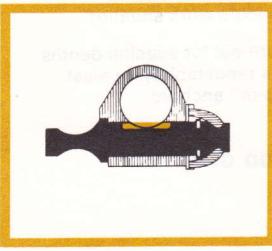
- For hammer drilling in tough concrete.
- Ideal for setting self-drilling anchors — convenient stop-rotation selector lever for hammering with or without rotation.
- Effective for chipping, chiseling and scaling.
- Supplied with carrying case, side handle, depth gauge and 5 dust shields.
- SPECIFICATIONS:**
115V-AC, 13.2 lbs., 14 3/4" long.
2,850 blows per minute - full load. 330 RPM - full load. Capacity: 1 1/2" drill bits, 3" core bits, 7/8" self-drilling anchors.



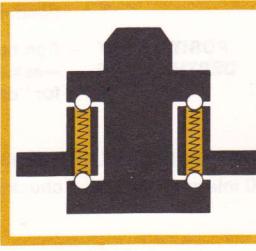
MODEL 11202, 1-1/2" ROTARY HAMMER

- For hammer drilling in tough concrete.
- Effective for chipping, chiseling and scaling.
- Supplied with carrying case, side handle, depth gauge and 5 dust shields.
- SPECIFICATIONS:**
115V-AC, 13 lbs., 14 3/4" long.
2,600 blows per minute, 300 r.p.m. full load. Capacity 1 1/2" drill bits, 3" core bits, 7/8" self-drilling anchors.

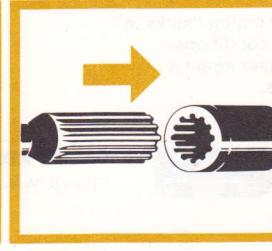
SAFETY RETAINER



SAFETY CLUTCH



SPLINE SHANK



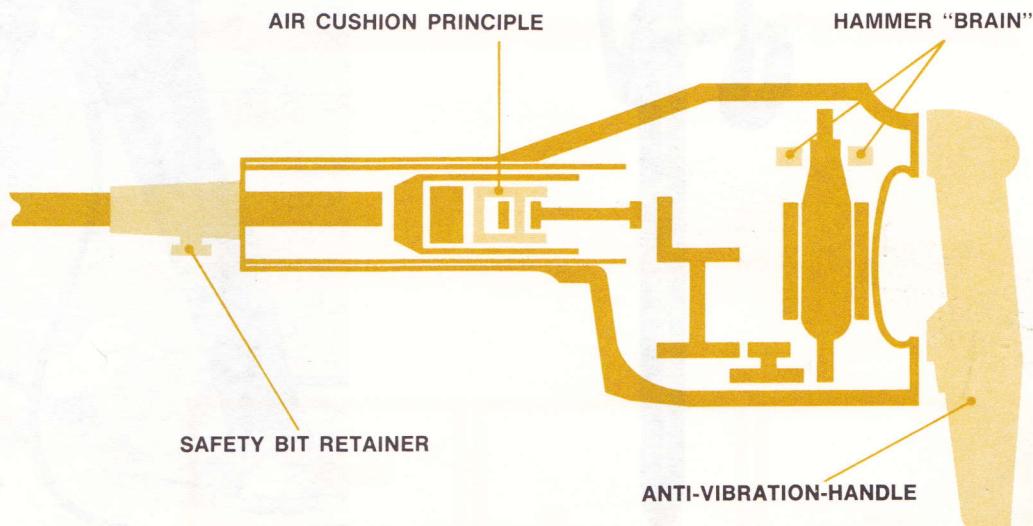
Spline shank provides:

- Better power transmission because turning force is more evenly distributed around bit shank.
- Up to three times higher bit shank life due to more even distribution of turning power ... extends life of carbide tip.
- Up to 10% more drilling efficiency.

ACCESSORIES SHOWN ON PAGES 9, 10, AND 11

11302 Demolition Hammer**MODEL 11302, DEMOLITION HAMMER**

- Ruggedly built for efficient, dependable service: chipping, chiseling, gouging, digging, tamping, roughing, form vibrating and ground rod driving.
- Air cushion impact system assures long life, low maintenance cost.
- Automatic "shut off" tells when preventive maintenance is recommended.
- Grease packing eliminates nuisance of lubricating on job site.
- Anti-vibration-handle reduces operator fatigue.
- Quick change, cam action safety retainer for ease in changing insert tools.
- Supplied with: carrying case, bull point, wrench.
- Capacities: handles wide assortment of points, chisels, spades, tamping plates, bushing tools, form vibrators and ground rod drivers. 2" star drill diameter.
- **SPECIFICATIONS:**
115V/AC, 20.5 lbs., 23" long.
1,450 blows per minute.

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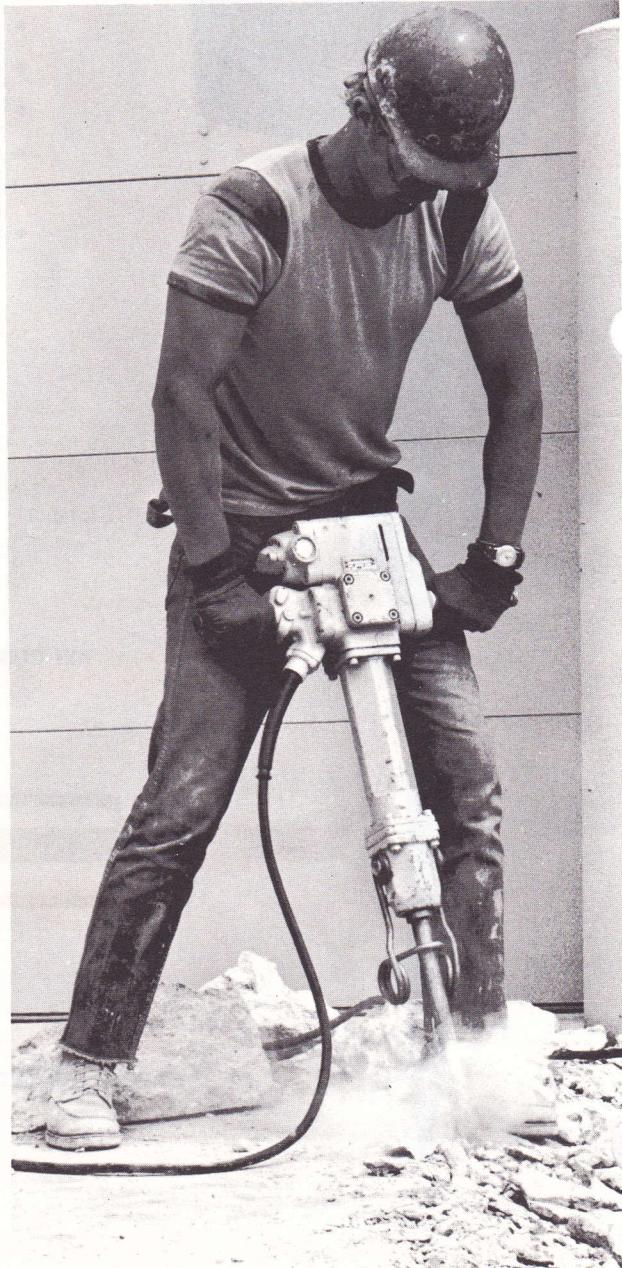
11300 Breaker Hammer



This portable, plug-in-anywhere breaker has the capacity to handle most jobs, with the outstanding features of low dust and noise levels.

MODEL 11300, BREAKER HAMMER

- 115V-AC motor—plug-in anywhere—No compressor required—low noise level.
- Lowest maintenance costs as proved in the rental industry—a real money saver.
- Versatile—for digging, demolishing, ripping, breaking and tamping.
- Breaking force equivalent to 35-40 lb. air unit.
- Supplied with: grease gun, wrench, round nose pliers.
- **SPECIFICATIONS:**
115V-AC, 62 lbs., 25 $\frac{1}{4}$ " long, 1,250 blows per minute.



ACCESSORIES SHOWN ON PAGE 13

Accessories—11202, 11203, 11204, 11205 Rotary Hammers

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SPLINE SHANK CARBIDE TIPPED BITS

MODEL	BIT DIA.	USABLE LENGTH	STANDARD FLUTE PART NO.	SPRAL FLUTE PART NO.
11202	3/8"	3"	T 1876	T 2800
11202	3/8"	6"	T 1877	T 2801
11203	1/2"	5"	1 618 596 074	T 2802
11203	1/2"	11"	1 618 596 075	T 2803
11205	1/2"	18"	T 1878	—
11205	5/16"	5"	1 618 596 044	T 2804
11205	5/8"	5"	1 618 596 046	T 2805
11205	5/8"	11"	1 618 596 047	T 2806
11205	5/8"	18"	T 1879	—
11205	3/4"	11"	1 618 596 051	T 2807
11205	3/4"	16 3/4"	1 618 596 052	T 2808
11205	3/4"	18"	T 1888	—
11205	7/8"	11"	1 618 596 055	T 2809
11205	7/8"	16 3/4"	1 618 596 056	T 2810
11205	7/8"	18"	T 1889	—
11204	1"	11"	1 618 596 057	T 2811
11204	1"	16 3/4"	1 618 596 058	T 2812
11204	1 1/8"	11"	1 618 596 060	T 2813
11204	1 1/8"	16 3/4"	1 618 596 061	T 2814
11204	1 1/4"	11"	1 618 596 062	T 2815
11204	1 1/4"	16 3/4"	1 618 596 063	T 2816
11204	1 3/8"	11"	1 618 596 064	T 2817
11204	1 3/8"	16 3/4"	1 618 596 065	T 2818
11204	1 1/2"	16 3/4"	1 618 596 067	T 2819
11204	1 3/4"	16 3/4"	1 618 596 071	T 2820
11204	2"	16 3/4"	1 618 596 073	T 2821

A & B TAPER SHANK, CARBIDE TIPPED BITS, STANDARD FLUTING

DESCRIPTION	PART NO.
"A" Taper Adapter	T 1830
"B" Taper Adapter	T 1831
Ejector Key	T 1853

"A" TAPER BITS

BIT DIA.	LENGTH	PART NO.	BIT DIA.	LENGTH	PART NO.
1/4"	2"	T 1860	5/8"	6"	T 1880
1/4"	4"	T 1861	1 1/8"	6"	T 1882
5/16"	2 1/2"	T 1862	3/4"	6"	T 1883
5/16"	4"	T 1863	2 7/32"	6"	T 1884
3/8"	3"	T 1864	7/8"	6"	T 1885
3/8"	6"	T 1865	1"	6"	T 1886
7/16"	3"	T 1866	1 1/8"	6"	T 1887
1 5/32"	3"	T 1867			
1/2"	3"	T 1868			
1/2"	6"	T 1869			
9/16"	3"	T 1870			
9/16"	6"	T 1871			
5/8"	3"	T 1872			
5/8"	6"	T 1873			

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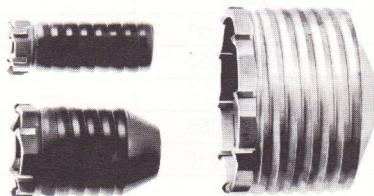
Accessories—11202, 11203, 11204, 11205 Rotary Hammers

CROSS-CORE DRILLS

New concept in concrete drilling techniques. Five carbide tips bite into concrete for fast, smooth, efficient results. Light weight — great for overhead drilling — replaces large diameter drill bits or core bits.



CUTTER DIA.	USEABLE DRILLING DEPTH	PART NO.
1 1/2"	9"	T 1890
1 1/2"	14"	T 1891
1 3/4"	9"	T 1892
1 3/4"	14"	T 1893
2"	9"	T 1894
2"	14"	T 1895
2 1/2"	9"	T 1896
2 1/2"	14"	T 1897



CARBIDE TIPPED CORE BITS

CUTTER DIA.	LENGTH	PART NO.
1 1/2"	4"	1 618 551 020
2"	4"	1 618 551 021
2 1/2"	4"	1 618 551 022
3"	4"	1 618 551 023
*4"	4"	1 618 551 024
*5"	4"	1 618 551 025

*Model 11204 only

CENTERING DRILL



BIT DIA.	LENGTH	PART NO.
7/16"	4 3/4"	1 618 596 029



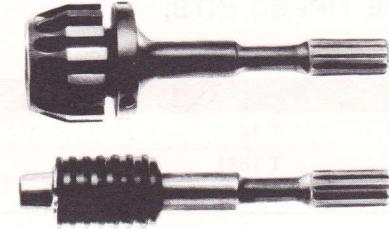
ADAPTER SHANKS FOR CORE BITS

DESCRIPTION	LENGTH	PART NO.
for core bits	6 1/8"	1 618 598 067
	15 3/4"	1 618 598 068
ejector key		1 601 030 009



DUST SHIELDS

DESCRIPTION	PART NO.
cup type	1 610 508 001
disc type	1 610 109 012



SPECIAL CHUCK

DESCRIPTION	PART NO.
adapter chuck for percussion carbide bits with any shank configuration up to 1/2" width	1 618 571 003
(tightening wrench included)	1 617 950 005

STOP ROTATION ATTACHMENT FOR MODEL 11202



DESCRIPTION	PART NO.
for use with Philips self-drilling anchor chucks	1 616 409 003

11202, 11203, 11204, 11205 ACCESSORIES FOR SETTING SELF-DRILLING ANCHORS

CHUCK HEADS

MODEL	SELF DRILLING ANCHOR SIZE	PART NO.
11202, 11203, 11204	1/4"	T 1844
11205	5/16"	T 1845
	3/8"	T 1846
	1/2"	T 1847
	5/8"	T 1848
	3/4"	T 1849
	7/8"	T 1850

CHUCK SHANK

DESCRIPTION	PART NO.
for use with Philips self-drilling anchor chucks	1 618 598 074

DESCRIPTION

PART NO.

DUST SHIELD FOR OVERHEAD DRILLING	T 1851
JECTOR KEY FOR REMOVING SELF DRILLING ANCHORS	T 1852
DRIFT PIN FOR REMOVING CHUCK HEADS	T 1853
BLOW OUT BULB	T 1854

Accessories—11202, 11203, 11204, Rotary Hammers

HAMMERS
BREAKERS

5-13

INSERT TOOLS

NO.	DESCRIPTION	SIZE	PART NO.
1	flat chisel	1" x 12" 1" x 18"	T 1811 T 1812
2	bull point	12" 18"	T 1813 T 1814
3	wood chisel	2" x 14"	T 1815
4	scaling chisel	1½" x 12" 2" x 12"	T 1816* T 1817*
5	stem for bushing head	9"	T 1818
6	bushing head	1½" x 2" 1¾" x 1¾"	T 1819 T 1521
7	seam tool	1⅛" x 15"	T 1820
8	slotting tool	1⅛" x 15"	T 1821
9	clay spade	4½" x 18"	T 1822*
10	tamping tool	5"	T 1823*
11	ground rod driver	5/8" & 3/4" rods	T 1824*
12	shank for tamping tool	16"	T 1825*

* For Model 11204 Only

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS
18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Hammers, Breakers

HAMMERS
BREAKERS

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HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
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JIG SAWS

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FOAM RUBBER,
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AIR TOOLS

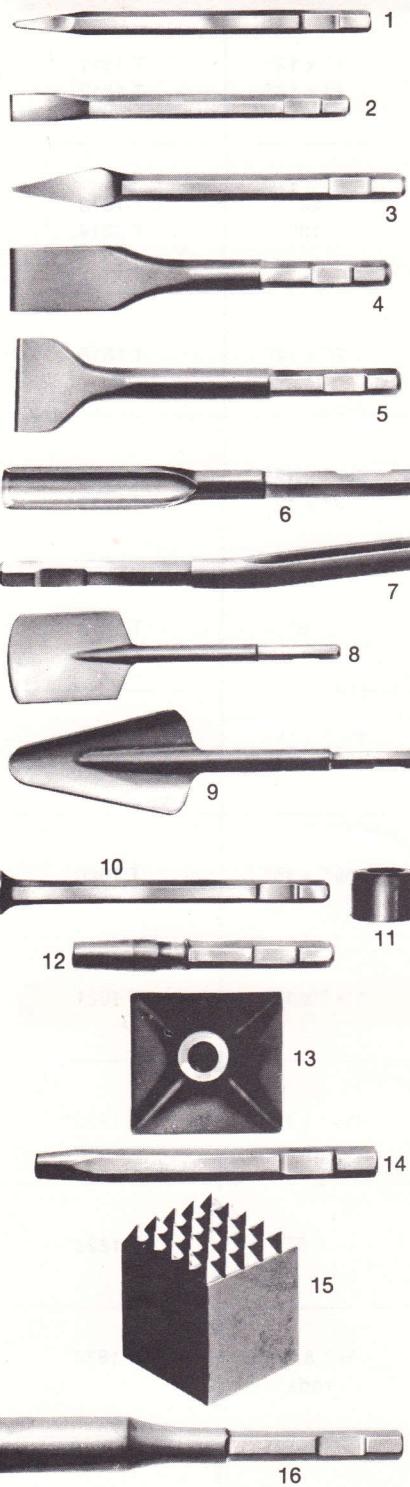
50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Accessories – 11302 Demolition Hammer 12311 High Cycle Demolition Hammer

INSERT TOOLS



NO.	DESCRIPTION	SIZE	PART NO.
1	bull points	12"	T 1515
		20"	T 1516
2	flat chisel	1" x 12"	T 1517
		1" x 20"	T 1518
3	cape chisel	1/2" x 12"	T 1501
4	wood chisel	2" x 12"	T 1502
5	scaling chisel	3" x 12"	T 1503
6	straight gouge	1 1/4" x 12"	1 618 631 101
7	cranked gouge	1" x 12"	1 618 631 100
8	clay spade	4 1/2" x 19"	T 1504
9	pointed spade	4 1/2" x 17"	1 618 632 000
10	form vibrator	1 1/2" x 12"	1 618 633 300
11	rubber mallet attachment		1 610 557 000
12	tamper shank	8"	1 618 639 001
13	tamper (base only)	4 3/4" x 5"	1 618 633 101
		6" x 6"	1 618 633 102
14	bushing shank	9"	T 1508
15	bushing head	1 1/2" x 2" 1 3/4" x 1 3/4"	T 1819 T 1521
16	ground rod driver	5/8" & 3/4" rods	T 1524
	asphalt spade	12"	T 1506

Accessories – 11302 Demolition Hammer

12311 High Cycle Demolition Hammer

HAMMERS
BREAKERS

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HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

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PLANERS
BELT
SANDERS

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JIG SAWS

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FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
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SHEARS
NIBBLERS

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IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

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TAMPER

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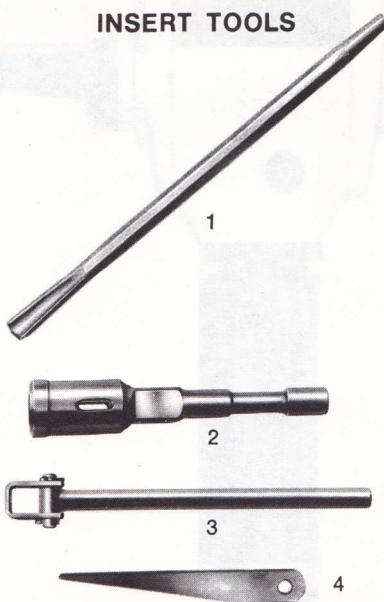
AIR TOOLS

50-53

SERVICE
CENTERS

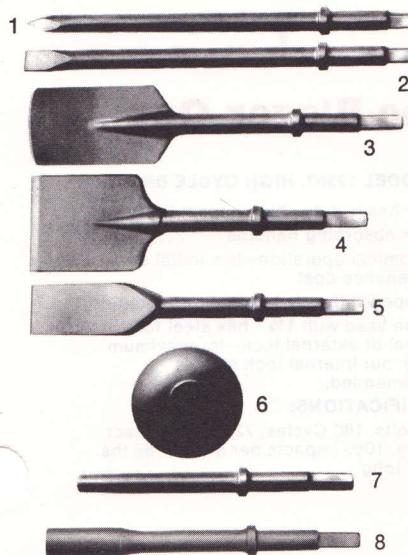
INSIDE
BACK COVER

INSERT TOOLS



NO.	DESCRIPTION	SIZE	PART NO.
1	star drill 22mm taper	3/4" x 12"	T 1530
		3/4" x 24"	T 1531
		7/8" x 12"	T 1532
		1" x 12"	T 1534
		1" x 24"	T 1535
		1 1/8" x 12"	T 1536
		1 1/8" x 24"	T 1537
		1 1/4" x 12"	T 1538
		1 1/4" x 24"	T 1539
		1 3/8" x 12"	T 1540
		1 1/2" x 12"	T 1542
		1 1/2" x 24"	T 1543
		1 3/4" x 12"	T 1544
		2" x 12"	T 1546
		2" x 24"	T 1547
2	star drill holder 22mm taper		1 618 598 063
3	drill lever		1 612 027 001
4	ejector key		1 601 030 009

Accessories – 11300 Breaker Hammer



NO.	DESCRIPTION	SIZE	PART NO.
1	bull point	14	T 1600
2		18	T 1601
3		24	T 1602
4	flat chisel	14	T 1608
5		18	T 1603
6		24	T 1604
7	clay spade	16	T 1605
8	asphalt spade	11	T 1606
9	wedge	12	T 1607
10	tamping plate	—	T 1615
11	shank for tamping plate	8 1/2	T 1616
12	ground rod driver	5/8" & 3/4" rods	T 1609
13		1 1/8" rods	T 1610

Hammers, Breakers

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS
18-23

CIRCULAR
SAWS
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PLANERS
BELT
SANDERS
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JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
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SHEARS
NIBBLERS
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IMPACT
WRENCHES
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SCREWDRIVERS
TAPPERS
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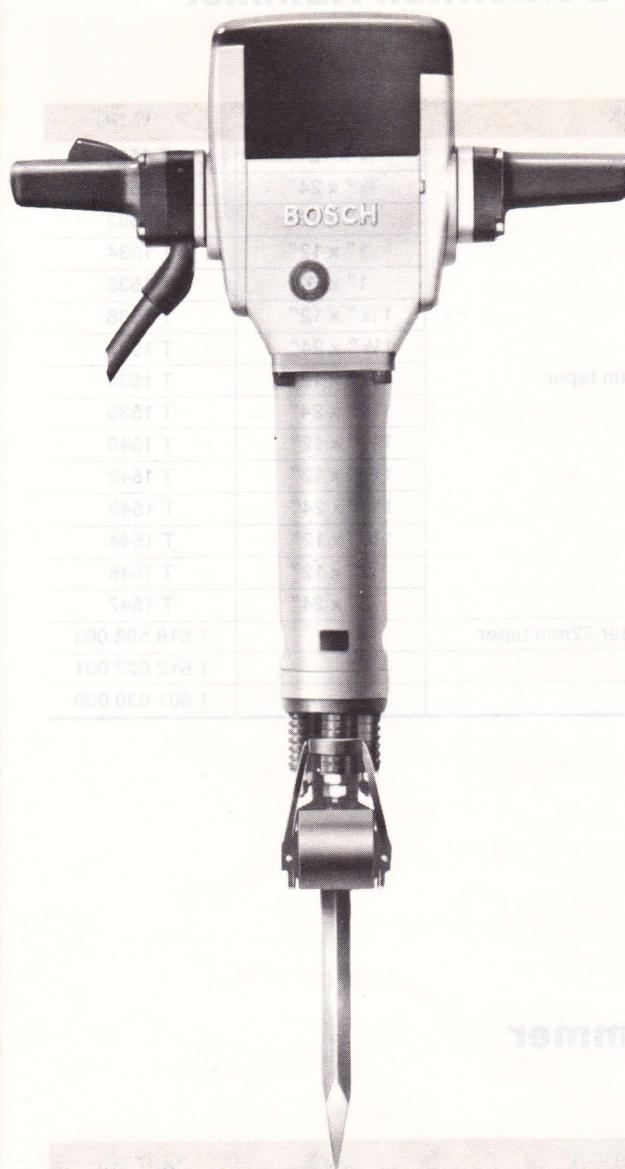
TAMPER
49

AIR TOOLS
50-53

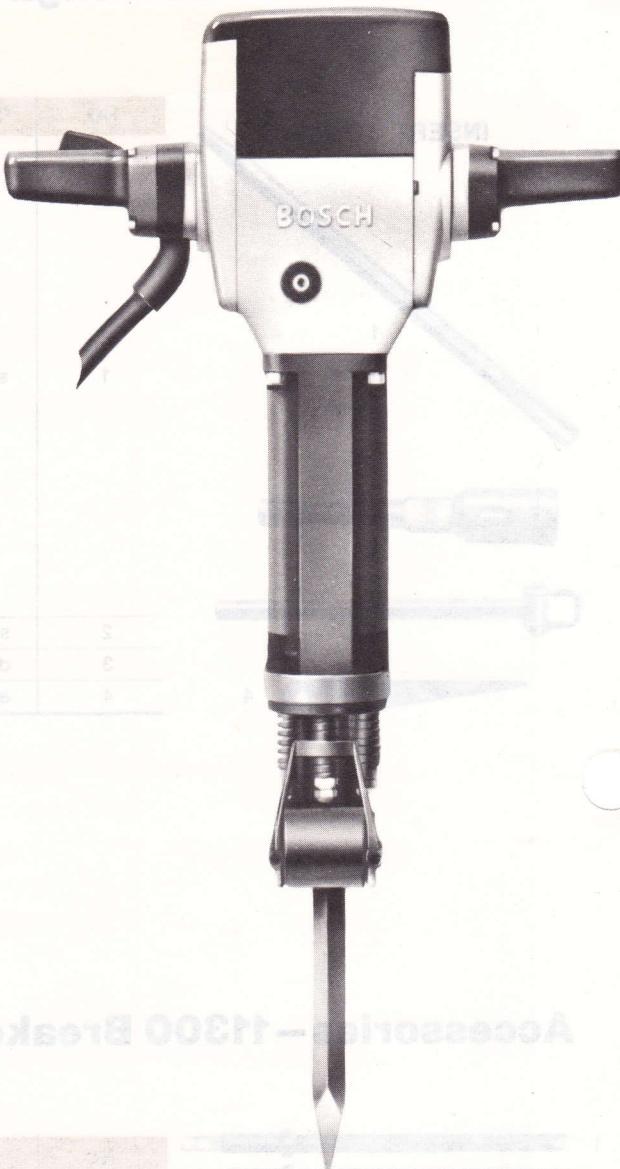
SERVICE
CENTERS

INSIDE
BACK COVER

12309 High Cycle Breaker



12307 High Cycle Breaker



The Big One



MODEL 12309, HIGH CYCLE BREAKER

- Heavy duty applications on all demolition jobs
- Shock absorbing handles
- Economical operation—low initial and maintenance cost
- Equipped with safe internal tool retainer
- Can be used with 1½" hex steel for internal or external lock—for maximum safety, our internal lock steel is recommended.

• SPECIFICATIONS:

- 230 Volts, 180 Cycles, 51 ft. lbs. impact energy, 1060 impacts per minute, 55 lbs., 31½" long

The Bigger One



MODEL 12307, HIGH CYCLE BREAKER

- Super heavy duty—high impact force
- Shock absorbing handles
- Economical operation—low initial and maintenance cost
- Equipped with safe internal tool retainer
- Can be used with 1¼" hex steel for internal or external lock—for maximum safety, our internal lock steel is recommended.

• SPECIFICATIONS:

- 230 Volts, 180 Cycles, 72 ft. lbs. impact energy, 1060 impacts per minute, 85 lbs., 31½" long

ACCESSORIES SHOWN ON PAGE 15



Accessories—12309, 12307 High Cycle Breakers

DESCRIPTION	OVERALL LENGTH	1 1/8" HEX SHANK FOR 12309 (SAFETY INTERNAL LOCK)	1 1/4" HEX SHANK FOR 12307 (SAFETY INTERNAL LOCK)
Moil Point	16 1/2" 20 1/2"	T 2110 T 2111	T 2130 T 2131
Narrow Chisel	16 1/2" 20 1/2"	T 2112 T 2113	T 2132 T 2133
Wide Chisel	20 1/2" x 3"	T 2114	T 2134
Superkut Chisel	16 1/2" 20 1/2"	T 2115 T 2116	T 2135 T 2136
Asphalt Cutter	16 1/2" x 5"	T 2117	T 2137
Digging Chisel	21 1/2" x 3"	T 2118	T 2138
Clay Spade	16 1/2" x 5 1/2"	T 2119	T 2139
Frost Wedge	20 1/2"	T 2120	T 2140
Spike/Pin Driver	17 1/2"	T 2121	T 2141
Ground Rod Driver	17 1/2"	T 2122	T 2142
Tamping Shank	14 1/2"	T 2123	T 2143
Tamping Plate	6" x 6" 8" x 8"	T 2124 T 2125	T 2124 T 2125
Stake Driver	14 1/4" x 2" 14 1/4" x 2 1/4" 14 1/4" x 2 1/2"	— — —	T 2147 T 2148 T 2146

12311 High Cycle Demolition Hammer



12311 HIGH CYCLE DEMOLITION HAMMER

- Increased power and constant speed due to greater efficiency of high cycle motor.
- Heavy duty, dependable performance for chipping, chiseling, digging, form vibrating, tamping and roughing.
- Air cushion impact system assures long life, low maintenance costs.
- Shock mounted handle reduces vibration and operator fatigue.
- Quick change, cam-action safety tool retainer for ease in changing insert tools.
- Grease pack eliminates nuisance of job site lubrication.
- Supplied with carrying case, bull point, wrench.
- Capacity: 2" star drill—handles wide assortment of points, chisels, gouges, spades, tampers, bushing tools and ground rod adapters.
- **SPECIFICATIONS:**
230 Volts, 180 Cycles
20.5 lbs., 23" long
1,550 blows per minute

ACCESSORIES SHOWN ON PAGE 13

HAMMERS
BREAKERS

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HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS
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DRILLS
18-23

CIRCULAR
SAWS
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PLANERS
BELT
SANDERS
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JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
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SHEARS
NIBBLERS
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IMPACT
WRENCHES
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SCREWDRIVERS
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TAMPER
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AIR TOOLS
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SERVICE
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INSIDE
BACK COVER

Generators

High Cycle



HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
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IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

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TAMPER

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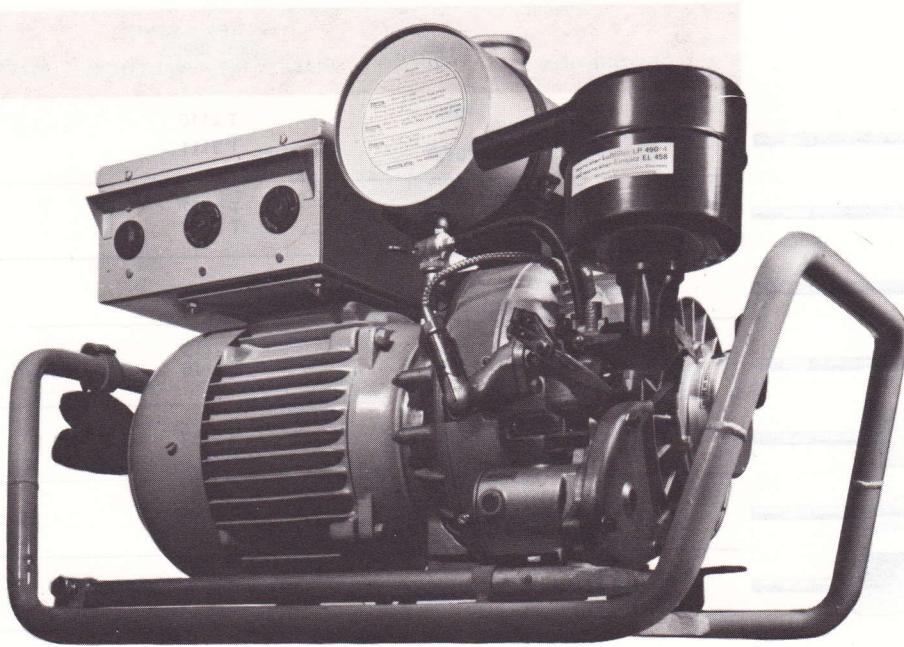
AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

High Cycle Generators



603 008 Wankel

- Self recoiling starter
- Automatic throttle for convenience and economy
- Easy to start, easy to operate
- Wankel engine is low in noise, low in initial and maintenance cost—high in torque, power to weight ratio and in steady voltage output!
- Two outlets for three phase, 230V, 180 cycle, 13.0 amps and one outlet for single phase, 115V—DC, 9.0 amps
- Overload protection

• SPECIFICATIONS:

28" length, 19" width, 20" height, 145 lbs.,
6.5 HP, 3600 RPM, gasoline mix 50 to 1

Fuel tank capacity: 1 gal.

Fuel consumption: $\frac{3}{4}$ gal. at full load per hour

Interference suppressed

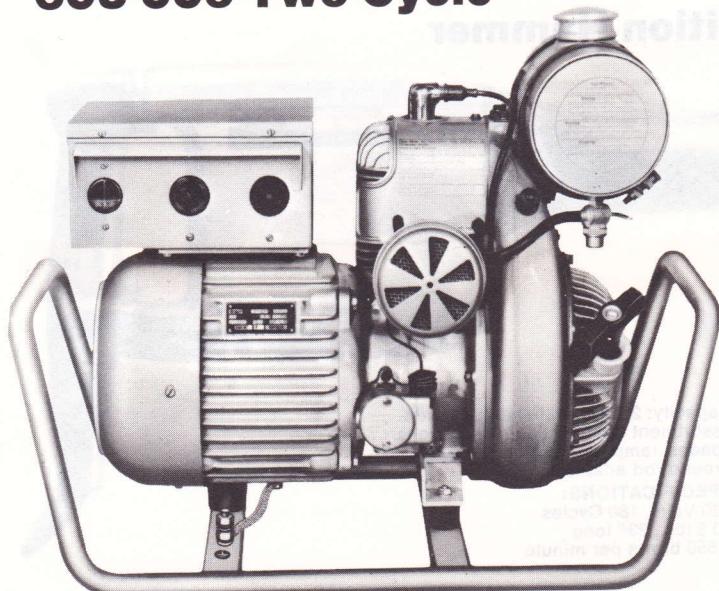
3.5 KVA — COS. PHI. 0.8, 3000 watts

Frequency reg. \pm %,
voltage reg. \pm 7%

Circuit breaker

Noise level: engine 75 db(A)

603 009 Two Cycle



- Self recoiling starter
- Automatic throttle for convenience and economy
- Easy to start, easy to operate
- Two cycle engine—low maintenance
- Two outlets for three phase, 230V, 180 cycle, 13.0 amps, one outlet for 115V—DC, 9.0 amps
- Overload protection

• SPECIFICATIONS:

28" length, 19" width, 21 $\frac{1}{2}$ " height, 150 lbs.,
6.8 HP, 3600 RPM, gasoline mix 25 to 1

Fuel tank capacity: 1 gal.

Fuel consumption: $\frac{3}{4}$ gal. at full load per hour

Interference suppressed

3.5 KVA — COS. PHI. 0.8, 3000 watts

Frequency reg. \pm 5%, voltage reg. \pm 7%

Circuit breaker

Noise level: engine 83 dB(A)

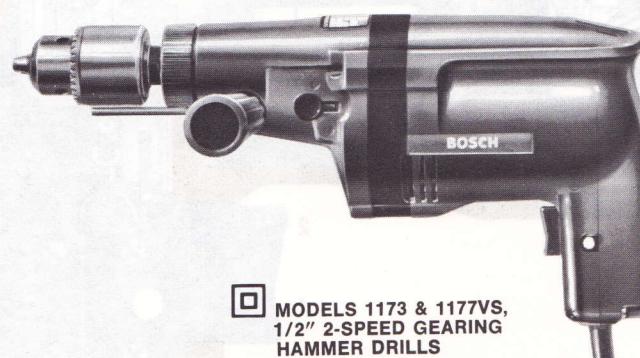
Hammer Drills

Double Insulated

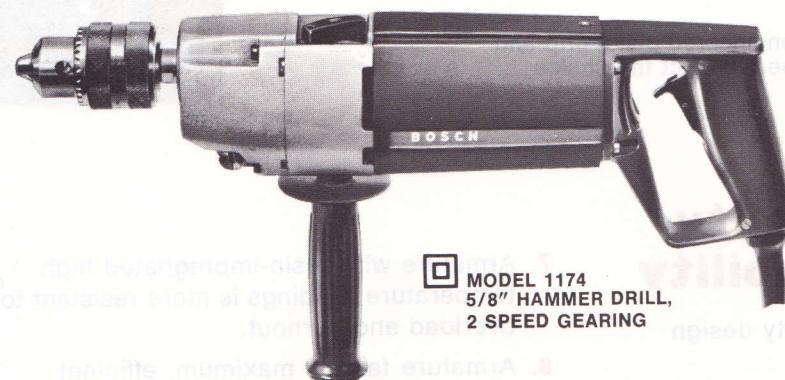
1172, 1173, 1177VS, 1174 Hammer Drills



**MODEL 1172
3/8" HAMMER DRILL, 2-SPEED GEARING**



**MODELS 1173 & 1177VS,
1/2" 2-SPEED GEARING
HAMMER DRILLS**



**MODEL 1174
5/8" HAMMER DRILL,
2 SPEED GEARING**

**MODEL 1172, 3/8" HAMMER DRILL,
2-SPEED GEARING**

- 2-speed gearing
 - O Low Gear – 1200 RPM, 24,000 BPM
 - O High Gear – 2600 RPM, 52,000 BPM
- Capacity of 1/2" in concrete, 3/8" in steel
- **SPECIFICATIONS:**
115V-AC, 4.4 lbs., 11 1/8" long
5/8" chuck

**MODELS 1173 & 1177VS, 1/2"
HAMMER DRILLS, 2-SPEED GEARING**

- Model 1173 offers two tools in one
 - O Low Gear – 1500 RPM, 31,000 BPM
 - O High Gear – 3300 RPM, 67,500 BPM
- Model 1177VS combines 2-speed feature with added versatility of variable speed trigger control
 - O Low Gear – 0-1500 RPM,
0-31,500 BPM
 - O High Gear – 0-3300 RPM,
0-67,500 BPM
- Capacity of 3/4" in concrete, 1/2" in steel
- **SPECIFICATIONS:**
115V-AC, 4.8 lbs., 12 1/8" long.
5/8" chuck

**MODEL 1174, 5/8" HAMMER DRILL,
2-SPEED GEARING**

- 2-speed gearing
 - O Low Gear – 500 RPM, 11,000 BPM
 - O High Gear – 1100 RPM, 24,000 BPM
- Capacity of 1 1/4" in concrete, 5/8" in steel.
- **SPECIFICATIONS:**
115V-AC, 9 lbs., 20" long.
5/8" chuck

CARBIDE TIPPED PERCUSSION HAMMER DRILL BITS



PART NO.	OVERALL DIAMETER	SHANK LENGTH	SHANK DIAMETER	PART NO.	OVERALL DIAMETER	SHANK LENGTH	SHANK DIAMETER	DESCRIPTION	FOR MODEL NO.	PART NO.
T 2400	1/8"	3"	1/8"	T 2409	7/16"	6"	5/8"	Carrying Case	1172, 1173, 1177VS 1174	2 605 438 002 1 605 438 007
T 2401	5/16"	3"	5/16"	T 2410	1/2"	6"	5/8"	Side Handle	1172, 1173, 1177VS 1174	2 602 025 023 1 602 025 022
T 2402	1/4"	4"	1/4"	T 2419	1/2"	12"	5/8"	Depth Gauge	172, 1172, 1176VS 1173, 1177VS	2 607 010 001 2 607 010 002
T 2403	1/4"	6"	1/4"	T 2411	5/16"	6"	1/2"	Depth Gauge	1174	1 603 001 002
T 2404	9/32"	4"	9/32"	T 2412	5/8"	6"	1/2"	Gauge Holder	1174	1 608 040 089
T 2405	5/16"	4"	5/16"	T 2413	11/16"	6"	1/2"	Drill Stand	1174	0 601 999 001
T 2406	5/16"	6"	5/16"	T 2414	3/4"	6"	1/2"			
T 2407	3/8"	4"	3/8"	T 2415	7/8"	6"	5/8"			
T 2408	3/8"	6"	3/8"	T 2416	1"	6"	5/8"			
T 2418	3/8"	12"	3/8"	T 2417	1 1/4"	6"	5/8"			

HAMMERS
BREAKERS

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HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

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CIRCULAR
SAWS

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PLANERS
BELT
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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
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IMPACT
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SCREWDRIVERS
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AIR TOOLS

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SERVICE
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Drills

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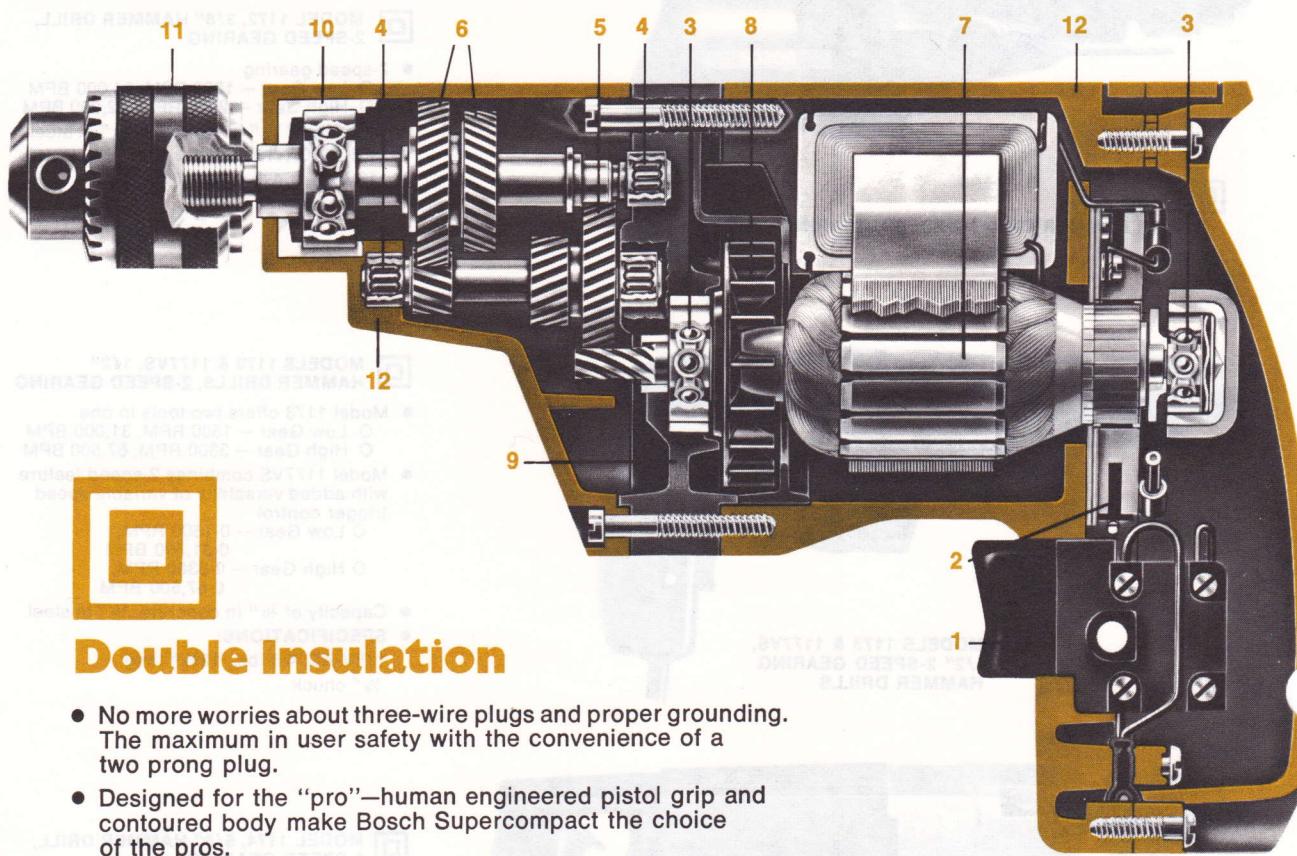
AIR TOOLS

50-53

SERVICE
CENTERS

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BACK COVER

Double Insulated Compact Drills



Double Insulation

- No more worries about three-wire plugs and proper grounding. The maximum in user safety with the convenience of a two prong plug.
- Designed for the "pro"—human engineered pistol grip and contoured body make Bosch Supercompact the choice of the pros.

Precision built-quality, performance, durability

1. Two-pole trigger switch. Heavy duty design for safe and long life.
2. Carbon brushes and holder designed for minimum brush changes.
3. Quality ball bearings at maximum load points extend durability.
4. Quality needle bearings provide friction free transmission of power and efficiency.
5. Case-hardened precision cut helical gears designed for heavy duty work.
6. Selective gearing on two speed models provides maximum torque at both speeds.

7. Armature with resin-impregnated high temperature windings is more resistant to overload and burnout.
8. Armature fan for maximum, efficient motor cooling.
9. Insulated flange connecting motor and gear housing maintains electrical safety.
10. Steel-lined spindle collar for accurate and rugged bearing support.
11. Heavy duty precision chuck provides accurate drilling, and dependable bit grip.
12. High quality, impact resistant nylon glass fiber reinforced housing for rugged use and maximum electrical safety.

1151VSR, 1106, 1150R, 151VSR, 106—Drills



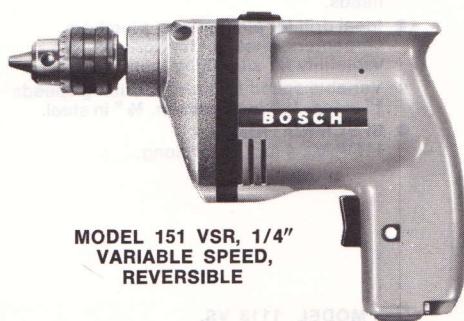
MODEL 1151 VSR, 1/4"
VARIABLE SPEED, REVERSIBLE



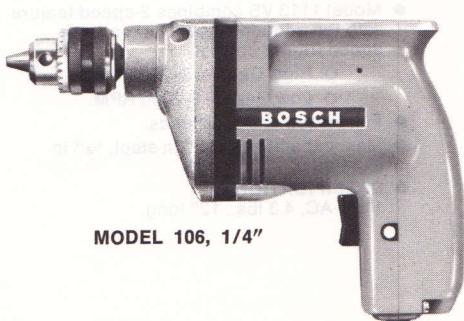
MODEL 1106 1/4"



MODEL 1150 R, 1/4"
REVERSIBLE



MODEL 151 VSR, 1/4"
VARIABLE SPEED,
REVERSIBLE



MODEL 106, 1/4"

□ MODEL 1151 VSR, 1/4" DRILL

- 0 to 1700 RPM.
- Variable speed for correct drilling speeds, $\frac{1}{8}$ " in wood, $\frac{1}{16}$ " in aluminum, $\frac{1}{4}$ " in steel.
- Reversible — screwdriver applications, removing stubborn drill bits, auger bits.
- Ideal drill for electricians, plumbers, carpenters, sheet metal work — full versatility for all drilling jobs.
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- **SPECIFICATIONS:**
115V-AC, 2.5 lbs., 9 $\frac{3}{8}$ " long.

□ MODELS 1106 1/4" DRILL

- 1700 RPM-max. power and efficiency.
- Capacities of $\frac{1}{8}$ " in wood, $\frac{1}{16}$ " in aluminum, $\frac{1}{4}$ " in steel.
- **SPECIFICATIONS:**
115V-AC, 2.5 lbs., 9 $\frac{3}{8}$ " long.

□ MODEL 1150 R, 1/4" DRILL

- 2800 RPM
- For sheetmetal and carpentry work: Light, fast, compact
- "Punches" clean sharp holes, without skidding or slipping
- **SPECIFICATIONS:**
115V-AC, 2.5 lbs., 9 $\frac{3}{8}$ " long.

□ MODEL 151 VSR, 1/4" DRILL

- Variable speed and reversing features fill drilling and screwdriver needs.
- 0-1700 R.P.M. — Trigger speed controlled.
- Ideal, all around drill for the service trades.
- Capacities of $\frac{1}{4}$ " in steel, $\frac{1}{16}$ " in aluminum, $\frac{1}{8}$ " in wood.
- **SPECIFICATIONS:**
115V-AC, 2.9 lbs., 9 $\frac{3}{8}$ " long.

□ MODELS 106, 1/4" DRILL

- Aluminum die-cast gear cases with rugged, polyamide housings and handles.
- 1700 RPM
- Capacities of $\frac{1}{8}$ " in wood, $\frac{1}{16}$ " in aluminum, $\frac{1}{4}$ " in steel.
- Outstanding value for rugged heavy duty applications.
- **SPECIFICATIONS:**
115V-AC, 2.9 lbs., 9 $\frac{3}{8}$ " long.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Drills

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS
18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
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SHEARS
NIBBLERS

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IMPACT
WRENCHES

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SCREWDRIVERS
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

1116, 1108VS, 1153VSR, 1113VS—Drills



MODEL 1116, 1/4"



MODEL 1108 VS, 3/8"
2 SPEED, VARIABLE



MODEL 1153 VSR, 3/8"
VARIABLE SPEED, REVERSIBLE



MODEL 1113 VS, 3/8"
2 SPEED, VARIABLE

□ MODEL 1116 1/4" RIGHT ANGLE DRILL

- Ideal for hard-to-get-at applications.
- Quality alloy bevel gearing, heat treated for continuous heavy duty use.
- Capacities: 1/4" in steel, 3/8" in aluminum, 1/2" in wood.
- **SPECIFICATIONS:**
1250 RPM, 115V-AC, 3 lbs., 11 1/8" long.

□ MODEL 1108 VS, 3/8" 2 SPEED DRILL

- Variable trigger speed control.
- **MODEL 1108** offers two tools in one:
 - High Gear — 0-2200 RPM.
 - Low Gear — 0-1400 RPM.
- Full torque at both speeds.
- Max. capacities of 3/8" in steel, 1/2" in aluminum, 3/4" in wood.
- **SPECIFICATIONS:**
115V-AC, 3.3 lbs., 10 5/8" long.

□ MODEL 1153 VSR, 3/8" DRILL

- Variable speed, reversible.
- 0 to 1000 RPM.
- Reversible-screwdriver applications removing stubborn drill bits, auger bits.
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- Ideal drill for electricians, plumbers, carpenters, sheet metal work — full versatility for all drilling jobs.
- Variable speed for correct drilling speeds — 1" wood, 1/2" in aluminum, 3/8" in steel.
- **SPECIFICATIONS:**
115V-AC, 4 lbs., 11 1/2" long.

□ MODEL 1113 VS, 3/8" 2 SPEED DRILL

- Model 1113 VS combines 2-speed feature with the added versatility of variable speed trigger control.
 - High Gear — 0-2500 RPM.
 - Low Gear — 0-1000 RPM.
- Full torque at both speeds.
- Max. capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**
115V-AC, 4.3 lbs., 12" long.

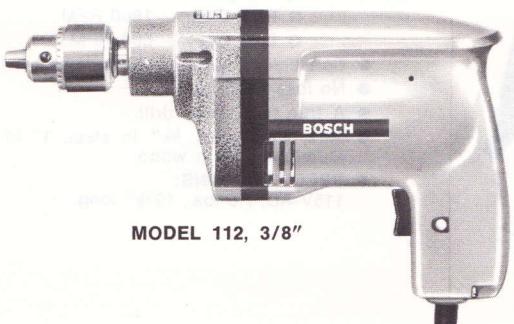
153VSR, 112VS, 112, 1111, 1117VS, 1154R—Drills



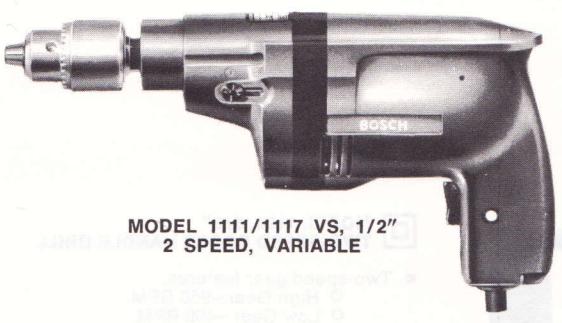
MODEL 153 VSR, 3/8"
VARIABLE SPEED, REVERSIBLE



MODEL 112 VS, 3/8"
VARIABLE SPEED



MODEL 112, 3/8"



MODEL 1111/1117 VS, 1/2"
2 SPEED, VARIABLE



MODEL 1154 R, 1/2"
REVERSIBLE

□ MODEL 153 VSR, 3/8" DRILL

- Variable speed, reversible.
- Screwdriver applications.
- Independently mounted reversing switch.
- 0-1000 RPM.
- Variable speed for correct drilling.
- Capacities of 1" in wood, 1/2" in aluminum, 3/8" in steel.
- Ideal all around drill.
- **SPECIFICATIONS:**
115V-AC, 4.4 lbs., 11½" long.

□ MODEL 112 VS, 3/8" DRILL

- Variable trigger speed control.
- 0-1000 RPM.
- Capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**
115V-AC, 4.4 lbs., 11" long.

□ MODEL 112, 3/8" DRILL

- Single speed model.
- Speed 1000 RPM.
- Capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**
115V-AC, 4.4 lbs., 11" long.

□ MODEL 1111 & 1117 VS, 1/2" 2 SPEED DRILL

- Model 1111 offers two tools in one.
 - High Gear — 1600 RPM.
 - Low Gear — 800 RPM.
- Full torque at both speeds.
- Model 1117 VS combines 2-speed feature with the added versatility of variable speed trigger control.
 - High Gear — 0-1600 RPM.
 - Low Gear — 800 RPM.
- Full torque at both speeds.
- Max. Capacities of 1/2" in steel, 3/4" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**
115V-AC, 4.3 lbs., 12" long.

□ MODEL 1154 R, 1/2" DRILL

- 800 RPM, Reversing
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- Capacities of 1/2" in steel, 3/4" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**
115V-AC, 4.2 lbs., 11½" long.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Drills

**Double
Insulated** 

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS
14-16

HAMMER
DRILLS
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DRILLS
18-23

CIRCULAR
SAWS
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PLANERS
BELT
SANDERS
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JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

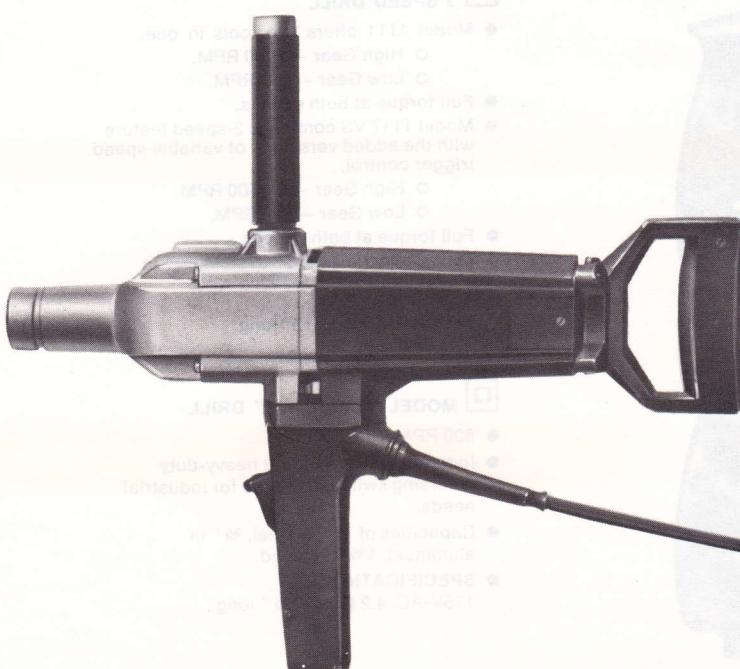
SCREWDRIVERS
TAPPERS
46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

1119, 1102, 1103—Heavy Duty Drills



MODEL 1119, 1/2" DRILL

- For continuous duty and rugged applications.
- Saw grip design and convenient auxiliary handle.
- Ideal for plumbers, electricians, and service trades.
- Speed 900 RPM
- Max. capacities: 1/2" in steel, 1 1/8" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**

115V-AC, 5.6 lbs., 16 1/4" long.

MODEL 1102, 5/8" TWO-SPEED DRILL

- Two-speed gear features.
 - High Gear — 1800 RPM.
 - Low Gear — 600 RPM.
- Convenient speed selector lever.
- No loss in torque.
- A true two-in-one drill.
- Max. Capacities: 5/8" in steel, 1" in aluminum, 2" in wood.
- **SPECIFICATIONS:**

115V-AC, 7.5 lbs., 19 5/8" long.

MODEL 1103, 5/8" TWO-SPEED CROSS HANDLE DRILL

- Two-speed gear features.
 - High Gear—950 RPM.
 - Low Gear—400 RPM.
- Full 5/8" capacity for those hour after hour, tough drilling jobs.
- Spade handle, breast-plate combination puts drilling pressure directly in line with spindle.
- Full length cross handle design allows safe control of full, stalled torque.
- Number 2 Morse taper.
- Capacities: 5/8" in steel, 1 1/4" in aluminum, 2 1/2" in wood.
- **SPECIFICATIONS:**

115V-AC, 10 lbs., 22 3/4" long.

Accessories—Drills

DRILL CHUCK (1) HAMMER DRILL CHUCK (2) KEYLESS CHUCK (3)



DRILL CHUCKS—GEARED—STANDARD

FOR MODEL NO.	CAPACITY	SPINDLE THREAD	CHUCK TYPE	CHUCK WITH KEY PART NO.	KEY ONLY PART NO.
106	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
112	3/8"	1/2"-20NF	1	1 608 571 005	1 607 950 027
112VS	3/8"	1/2"-20NF	1	1 608 571 005	1 607 950 027
151VSR	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
153VSR	3/8"	1/2"-20NF	1	1 608 571 030	1 607 950 027
1102	5/8"	B-16 (Taper)		1 608 571 003	1 607 950 026
1103*	5/8"	B-16 (Taper)		1 608 571 003	1 607 950 026
1106	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
1108VS	3/8"	3/8"-24NF	1	1 608 571 020	1 607 950 027
1111	1/2"	1/2"-20NF	1	1 608 571 022	1 607 950 027
1113VS	3/8"	1/2"-20NF	1	1 608 571 005	1 607 950 027
1116	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
1117VS	1/2"	1/2"-20NF	1	1 608 571 022	1 607 950 027
1119	1/2"	1/2"-20NF	1	1 608 571 022	1 607 950 027
1150R	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
1151VSR	1/4"	3/8"-24NF	1	1 608 571 023	1 607 950 027
1153VSR	3/8"	1/2"-20NF	1	1 608 571 030	1 607 950 027
1154R	1/2"	1/2"-20NF	1	1 608 571 031	1 607 950 026

*USE SHANK 1 603 115 002 AS ADAPTER FROM MORSE TAPER 11 TO B16 TAPER.

HAMMER DRILL CHUCKS—GEARED—STANDARD

FOR MODEL NO.	CAPACITY	SPINDLE THREAD	CHUCK TYPE	CHUCK WITH KEY PART NO.	KEY ONLY PART NO.
1172	3/8"	1/2"-20NF	2	1 608 571 005	1 607 950 027
1173	1/2"	1/2"-20NF	2	1 608 571 028	1 607 950 027
1174	5/8"	5/8"-20NF	2	1 608 571 016	1 607 950 026
1177VS	1/2"	1/2"-20NF	2	1 608 571 028	1 607 950 027

DRILL CHUCKS—GEARED—HIGH PRECISION, KEYLESS

FOR MODEL NO.	CAPACITY	CHUCK TYPE	SPINDLE THREAD	ORDER NO.
(Select correct chuck by capacity and spindle thread from above chart)	5/16"	3	3/8"-24NF	2 608 572 002
	3/8"	3	1/2"-20NF	1 608 572 007
	1/2"	3	1/2"-20NF	1 608 572 009
	5/8"	3	B-16 (Taper)	1 608 572 006

DESCRIPTION	FOR MODEL NO.	PART NO.	DESCRIPTION	FOR MODEL NO.	PART NO.
Reducing sleeve from Morse Taper 2 to 1	1103	1 608 598 028	Clamp for drills used on drill stand	1101, 1102, 1103, 1119	1 602 329 008
Adapter shank from Morse Taper 2 to B16 Taper, for drill chuck	1103	1 603 115 002			
Angle adapter for side handle	1101, 1102, 1119	1 603 527 017			
Side handle*	106, 112, 151VSR, 153VSR, 1106, 1108VS, 1111, 1113, 1117, 1150R, 1151VSR, 1153VSR 1154R	2 602 025 008	All pistol grip drills*	17 3/4"	3 1/2" 2 3/8" 6 3/4" x 6" 0 603 040 100
Side handle	1101, 1102, 1119	1 602 025 022	1101, 1102, 1103, 1119	27 1/2"	6 1/2" 4 3/4" 8" x 8" 1 608 180 004

*For use with 106, 151VSR, 1106, 1108VS, 1150R, 1151VSR Order Reducing Collar 1 600 220 023

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS
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HAMMER
DRILLS
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DRILLS
18-23

CIRCULAR
SAWS
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PLANERS
BELT
SANDERS
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JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

SCREWDRIVERS
TAPPERS
46-48

TAMPER
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AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

DRILL STANDS

FOR MODEL NO.	HEIGHT	RADIAL CLEAR-ANCE	STROKE	BASE SIZE	PART NO.
All pistol grip drills*	17 3/4"	3 1/2"	2 3/8"	6 3/4" x 6"	0 603 040 100
1101, 1102, 1103, 1119	27 1/2"	6 1/2"	4 3/4"	8" x 8"	1 608 180 004

Circular Saws

Double Insulated 

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

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SCREWDRIVERS
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

1554, 1553—Circular Saws

FEATURES FOR ALL CIRCULAR SAWS

- Burn-out-resistant motor.
- Exclusive **anti-pinch splitter** — prevents blade binding, provides additional safety.
- Blade clutch protects motor and guards against kickback.
- Strong dust blower keeps cutting line visible.

- $\frac{5}{8}$ " round arbor.
- Bevel adjustment from 0 to 45°.
- High torque motor maintains cutting speed under heavy load.
- **Storage on tool for blade wrench.**

8 $\frac{1}{4}$ " CIRCULAR SAW, MODEL 1554

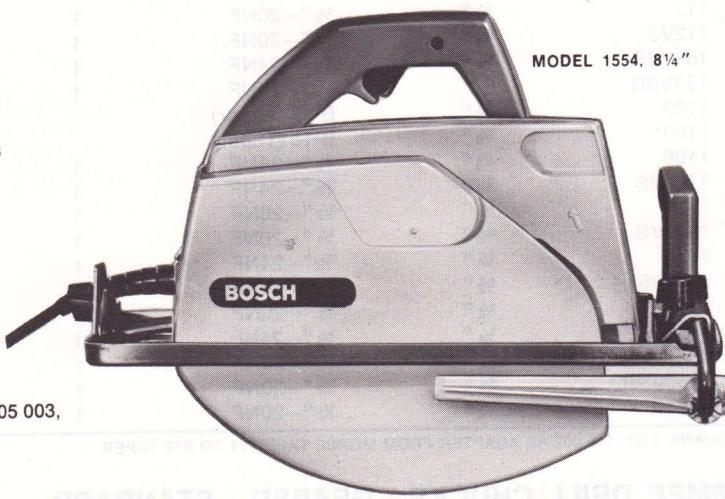
- Dual controls for depth and bevel adjustments give maximum stability, accuracy, and safety.
- Heavy gauge, stamped, wrap-around shoe withstands abuse and maintains stability.
- Super heavy duty, double pole switch.
- Super heavy duty, adjustable rip fence.
- All ball and needle bearings.

SPECIFICATIONS:

RPM (no load)	4,000
Peak H.P. (at arbor)	1.86
Weight (lbs.)	16.0
Volts	115 A/C
Maximum Depth of cut at 90°	2 $\frac{1}{8}$ "
Maximum Depth of cut at 45°	1 $\frac{3}{4}$ "

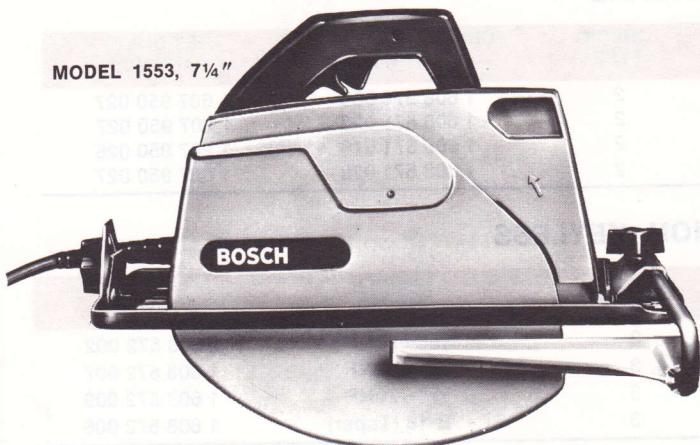
Supplied with:

Combination Blade #T 2360, Blade Wrench #1 689 005 003,
Rip Fence #1 609 281 000,
Auxiliary Handle #1 609 220 001



MODEL 1554, 8 $\frac{1}{4}$ "

7 $\frac{1}{4}$ " CIRCULAR SAW, MODEL 1553



7 $\frac{1}{4}$ " CIRCULAR SAW, MODEL 1553

- Dual controls for depth and bevel adjustments give maximum stability, accuracy, and safety.
- Heavy gauge, stamped, wrap-around shoe withstands abuse and maintains stability.
- Super heavy duty, double pole switch.
- Super heavy duty, adjustable rip fence.
- All ball and needle bearings.

SPECIFICATIONS:

RPM (no load)	4,000
Peak H.P. (at arbor)	1.48
Weight (lbs.)	13.0
Volts	115 A/C
Maximum Depth of cut at 90°	2 $\frac{3}{8}$ "
Maximum Depth of cut at 45°	1 $\frac{11}{16}$ "

Supplied with:

Combination Blade #T 2320, Blade Wrench #1 689 005 003,
Rip Fence #1 609 281 000

CIRCULAR SAW BLADES—5/8" ARBOR



COMBINATION — CHISEL TOOTH

Designed for general use ripping and cross-cutting, fast, smooth, long life.



PLYWOOD — HOLLOW GROUND

Resists binding, splintering and glue or resin build-up.



PLANER — HOLLOW GROUND

Exceptionally smooth finish when ripping or cross-cutting.

BLADE SIZE	PART NO.	BLADE SIZE	PART NO.	BLADE SIZE	PART NO.
6"	T 2300	6"	T 2301	6"	T 2302
7 $\frac{1}{4}$ "	T 2320	7 $\frac{1}{4}$ "	T 2321	7 $\frac{1}{4}$ "	T 2322
7 $\frac{1}{2}$ "	T 2340	7 $\frac{1}{2}$ "	T 2341	7 $\frac{1}{2}$ "	T 2342
8 $\frac{1}{4}$ "	T 2360	8 $\frac{1}{4}$ "	T 2361	8 $\frac{1}{4}$ "	T 2362

Planers, Belt Sander

Double Insulated 

1590, 590 Planers / 1270 Belt Sander

3" x 16" PLANER, MODEL 1590

- Shoe plate and cutter assembly made of magnesium die cast for strength and light weight.
- Cutter head supported by ball and needle bearing for long life and accuracy.

SPECIFICATIONS:

Width of cut	3"	Peak H.P.	1.45
Depth of cut	0 - 1/8"	Length	16"
RPM (no load)	13,000	Weight (lbs.)	12.6
VOLTS	115 A/C	Rabbeting depth	0 - 1"

Supplied with:

Wrench	1 609 279 001
Adjustable rabbeting & edge guide	(1 609 280 039
Cutter (2 required)	1 609 280 038
Carbide cutter (2 required)	1 609 286 054

Optional:

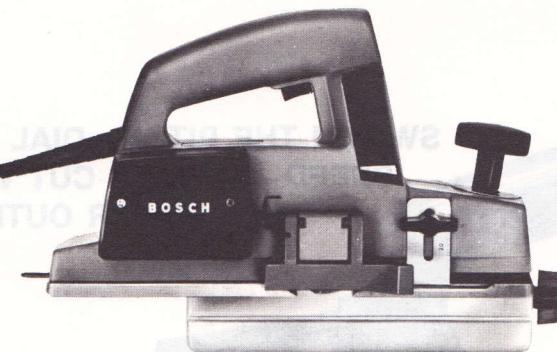
Carbide cutter (2 required)	1 609 286 055
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FEATURES FOR BOTH PLANERS

- Double insulated.
- For rabbeting, edging, and surface planing.
- Motor housing and handle made of fiberglass, re-inforced polyamide.
- Exclusive, accurate, sturdy and easily mounted rabbeting and edge guide attachment, adjustable 0 - 45°.

- Cutter head driven by cog belt drive providing quiet, trouble-free performance.
- Auxiliary grip (round knob) also serves as easy depth adjuster.
- Chip deflector adjustable for right or left ejection.
- All ball bearings.
- Convenient storage on tool for wrench.



3" x 12" PLANER, MODEL 590

- Shoe plate and cutter assembly are made of aluminum die cast for long life.

SPECIFICATIONS:

Width of cut	3"	Peak H.P.	1.0
Depth of cut	0 - 1/4"	Length	12"
RPM (no load)	13,000	Weight (lbs.)	7.7
Volts	115 A/C	Rabbeting depth	0 - 1"

SUPPLIED WITH:

Wrench	1 609 279 001
Adjustable rabbeting and edge guide	(1 609 200 058
Cutter (2 required)	1 609 200 054

Optional:

Carbide cutter (2 required)	1 609 286 054
Carbide cutter (2 required)	1 609 286 055

Two Speed Belt Sander

SANDING BELTS AVAILABLE

GRIT	PART NO.
36	T 1700
40	T 1701
50	T 1702
60	T 1703
80	T 1704
100	T 1705
120	T 1706

REPLACEMENT DUST BAG 1609 254 000



MODEL 1270, 4" BELT SANDER

- Designed for continuous industrial operation—for wood or metal.
- 2-Speed—Select the correct speed and belt for maximum efficiency.
 - Belt Speed I, 1300 SFPM
 - Belt Speed II, 1450 SFPM
- Integral vacuum dust pick-up for clean, dust-free operation.
- Quick and easy belt removal and tracking adjustment.
- Supplied with 3 sanding belts, 60, 80, 100 grit.
- SPECIFICATIONS:**
115V-AC, 18 Lbs. 14 1/2" Long.
Belt Size: 4" x 24".

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

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SHEARS
NIBBLERS

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IMPACT
WRENCHES

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SCREWDRIVERS
TAPPERS

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SERVICE
CENTERS

INSIDE
BACK COVER

Jig Saws

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
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GRINDERS
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SERVICE
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BACK COVER

1578 Jig Saw—Electronic Speed Control



This is the only jig saw on the market which combines the following features into one handy, lightweight, well-balanced, Double Insulated tool:



Blade Speed Control at constant full torque lets you dial any speed between 1,000 and 3,000 strokes per minute — this means that you can cut through alloys, stainless

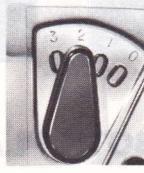
steel, glass, ceramic tile with ease and precision when using our unique, Carbide Grit coated RIFF—sawblades. (Available in two grits, see page 34!)



0—STRAIGHT
RECIPROCATING



1—SMALLEST ORBIT



2—MEDIUM ORBIT



3—LARGEST ORBIT

Especially together with the Blade Lubricator (shown on page 32), you can go into a whole lot of "uncuttables" and achieve unbelievable cutting performance: Plexiglass, Fiberglass, Asbestos, Synthetics of all kinds — composite materials, plasterboard, countertops, hardboard.

For wood cutting, you can dial three different orbital cutting movements — for delicate cuts and work with tough materials, you can adjust the pitch selector to straight reciprocating action.



SWITCH THE PITCH—DIAL THE SPEED—ALWAYS CUT WITH FULL POWER OUTPUT!

MODEL 1578

SECOND TO NONE!



**1578 JIG SAW—
ELECTRONIC SPEED CONTROL**

- Now you can adjust the speed and blade orbit for perfect cutting combinations.
- Low speed range for increased blade life in most hard metals.

- High speed range for extra fast cutting in soft woods and composition materials.
- Speed change at your fingertips lets you "feel" the right speed.
- Unique combination of speed and cutting action solves your cutting problem.
- Double insulated—extra safety.
- Includes: 4 assorted blades, 1 screwdriver.

SPECIFICATIONS:
Full 1" stroke, 1000-3000 strokes/min.,
115V-AC, 9 1/2" length, 5.5 lbs.
Bearings: All ball and roller

CUTTING CAPACITIES:

Wood—2 1/8"
Mild steel—1/4"
Aluminum, non-ferrous metals—3/4"
Stainless steel—1/8"
Alloy steel—1/8"

1577, 8554 Jig Saws
 ORBITAL ACTION JIG SAW, MODEL 1577

- Top handle design puts your hand over the work.
- All outstanding features of our famous Model 8554.
- Includes: 4 assorted blades, 1 screwdriver.

● SPECIFICATIONS:

Full 1" stroke, 2900 strokes/min.,
115 V-AC, 9½" length, 5.5 lbs.
Bearings: All ball and roller

● CUTTING CAPACITIES

Wood — 2¾"
Plastics, fiberglass — 1¼"
Aluminum, non-ferrous metals — ¾"
Mild steel — ¼"


 ORBITAL ACTION JIG SAW MODEL 8554

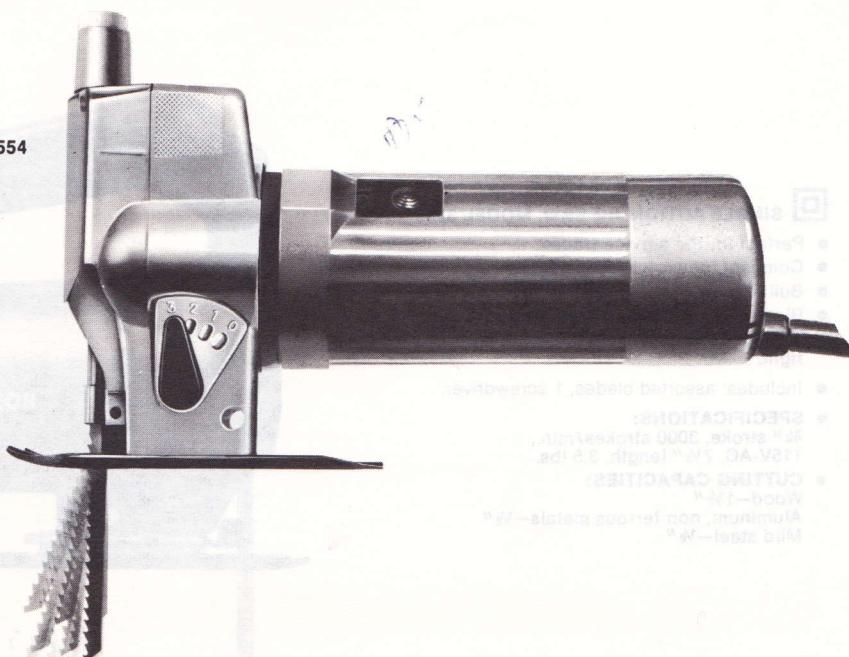
- Exclusive blade orbit selector.
- Blade support roller guide—perfect 90° cuts in the tightest curves.
- "Barrel Grip" design for precise handling.
- For super duty, continuous production use.
- Includes: 4 assorted blades, 1 screwdriver.

● SPECIFICATIONS:

Full 1" stroke, 2900 strokes/min.,
115V-AC, 9" length, 4.5 lbs.
Bearings: All ball and roller.

● CUTTING CAPACITIES:

Wood — 2¾"
Plastics, fiberglass — 1¼"
Aluminum, non-ferrous metals — max. ¾"
Mild steel — ¼"



BOSCH . . . when you know the difference!

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Jig Saws

Double Insulated 

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS

INSIDE
BACK COVER

575, 3230 Jig Saws



SINGLE ACTION JIG SAW, MODEL 575

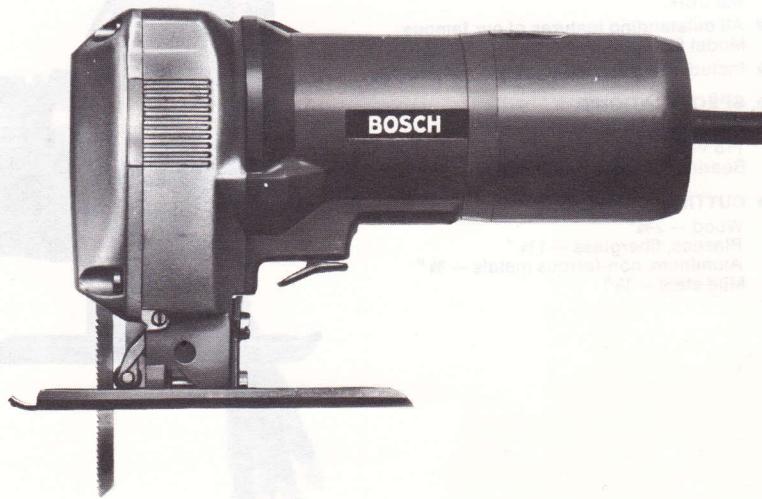
- Replaces the famous 8550 jig saw, adding double insulation to the impressive list of features.
- Straight reciprocal action— $\frac{7}{8}$ " stroke.
- Adjustable roller guide supports blade for precise cuts, prevents breakage.
- Tilting footplate with positive locking device for straight cuts, as well as 15°, 30° and 45° bevel cuts.
- Effective sawdust blower automatically clears cutting line.
- Operates smoothly, vibration-free.
- Long line of accessories makes this saw extremely versatile.
- Includes: assorted blades, 1 screwdriver.

• SPECIFICATIONS:

$\frac{7}{8}$ " stroke, 3,400 strokes/minute
45° tilt base
115V-AC, 8 $\frac{3}{4}$ " length, 4.5 lbs.
Bearings: All ball and roller.

• CUTTING CAPACITIES:

Wood—2"
Aluminum, non-ferrous metals— $\frac{5}{8}$ "
Mild steel— $\frac{3}{16}$ ".



SINGLE ACTION JIG SAW, MODEL 3230

- Perfect for the service trades.
- Compact, powerful, economical.
- Built-in saw dust blower.
- Blade roller guide—straight, accurate cuts.
- Tilting shoe—bevel cuts 0-45° left and right.
- Includes: assorted blades, 1 screwdriver.

• SPECIFICATIONS:

$\frac{3}{4}$ " stroke, 3000 strokes/min.,
115V-AC, 7 $\frac{1}{4}$ " length, 3.5 lbs.

• CUTTING CAPACITIES:

Wood—1 $\frac{1}{2}$ "
Aluminum, non-ferrous metals— $\frac{1}{2}$ "
Mild steel— $\frac{1}{8}$ "

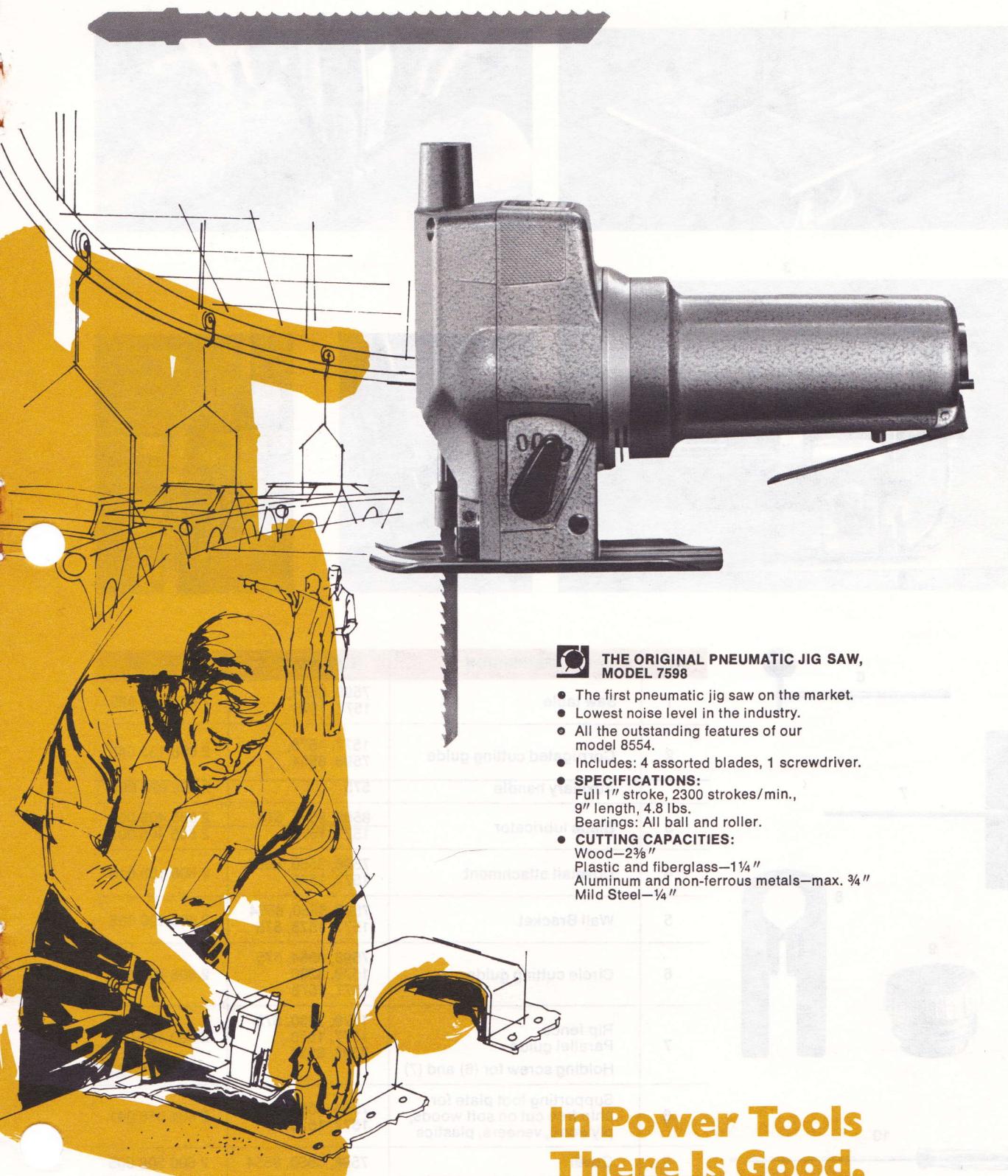


Iconoclasts edit world uoy new... BOSCH



7598—Pneumatic Jig Saw

www.bosch-tools.com



THE ORIGINAL PNEUMATIC JIG SAW, MODEL 7598

- The first pneumatic jig saw on the market.
- Lowest noise level in the industry.
- All the outstanding features of our model 8554.
- Includes: 4 assorted blades, 1 screwdriver.
- **SPECIFICATIONS:**
Full 1" stroke, 2300 strokes/min.,
9" length, 4.8 lbs.
Bearings: All ball and roller.
- **CUTTING CAPACITIES:**
Wood—2½"
Plastic and fiberglass—1¼"
Aluminum and non-ferrous metals—max. ¾"
Mild Steel—¼"

**In Power Tools
There Is Good,
Better And Bosch!**

HAMMERS BREAKERS

5-13

HIGH CYCLE BREAKERS GENERATORS

14-16

HAMMER DRILLS

17

DRILLS

18-23

CIRCULAR SAWS

24

PLANERS BELT SANDERS

25

JIG SAWS

26-33

FOAM RUBBER, AND CARPET CUTTERS

34

GRINDERS POLISHERS SANDERS

35-39

SCREWDRIVERS NIBBLERS

40-43

IMPACT WRENCHES

44-45

SCREWDRIVERS TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE CENTERS

INSIDE
BACK COVER

Jig Saws

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS
18-23

CIRCULAR
SAWS
24

PLANERS
BELT
SANDERS
25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

SCREWDRIVERS
TAPPERS
46-48

TAMPER
49

AIR TOOLS
50-53

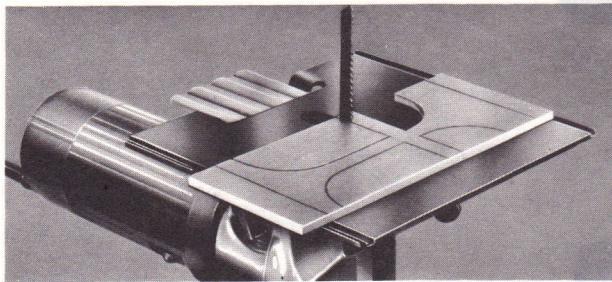
SERVICE
CENTERS

INSIDE
BACK COVER

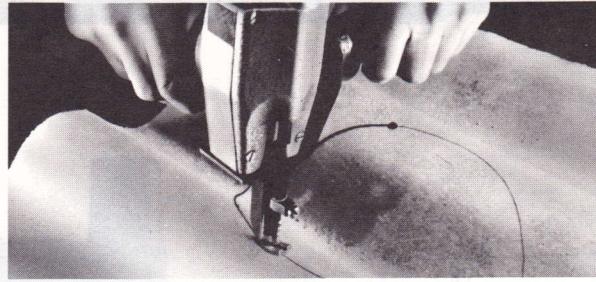
Accessories—Jig Saws

ws2 git ohmuanf - 8885

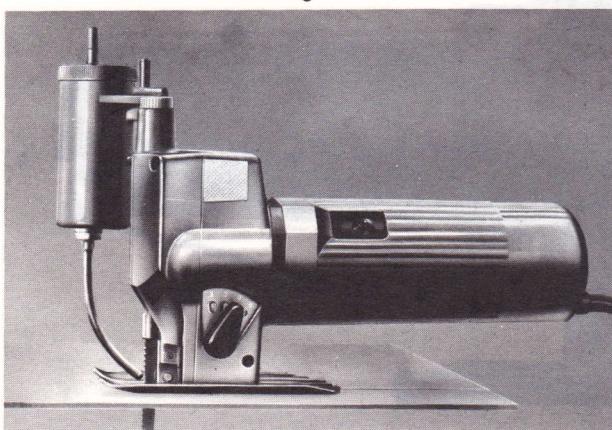
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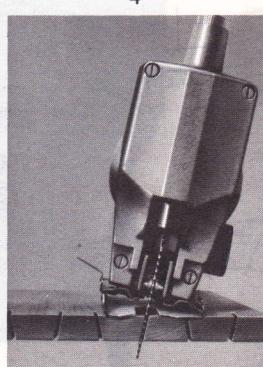
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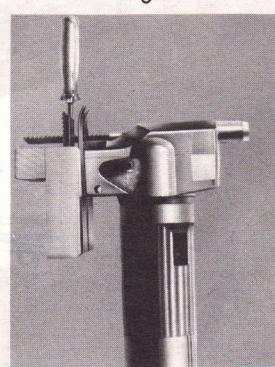
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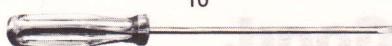
5



6

NO.	DESCRIPTION	FOR MODELS	PART NO.
1	Saw table	7598, 8554, 1577, 1578	2 608 000 020
2	Corrugated cutting guide	1577, 1578, 7598, 8554	2 608 135 045
	Auxiliary handle	575	2 602 025 003
3	Blade lubricator	8550, 8554, 575 1577, 1578	2 605 405 000 2 605 405 002
4	Dovetail attachment	7598, 8550, 8554 1577, 1578	2 608 135 010
5	Wall Bracket	7598, 8550, 8554 1577, 1578, 575	2 608 190 005
6	Circle cutting guide	7598, 8554, 575 1579, 3230 1577, 1578	2 603 101 021
7	Rip fence Parallel guide Holding screw for (6) and (7)	1579, 3230, 575 1577, 1578 7598, 8554	2 603 101 020 2 910 511 152
8	Supporting foot plate for chip free cut on soft woods, plywood, veneers, plastics	7598, 8554 1577, 1578	2 601 016 041
9	Cover	7598, 8550, 8554	2 600 508 005
10	Screwdriver	All Jigsaws	2 607 959 000
11	Blade locking screw	All Jigsaws	2 603 400 000

11
(not shown)



The Bosch Blade System

The system that combines *the blade* and *the jig saw* into the most versatile and efficient cutting combination available today!

Bosch offers the largest line of blades available on the market:

- 34 Different tooth types—for every application.
- 2 Knife blades.
- Variety of rasps for finishing work.
- Carbide coated "RIFF" blades for tough materials.

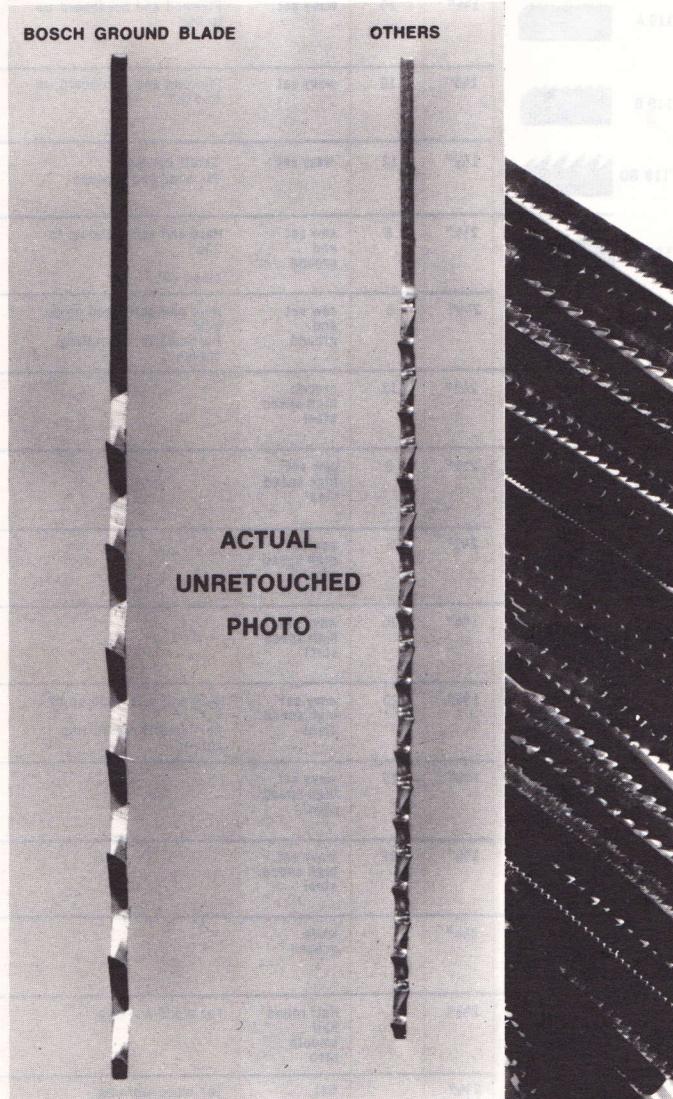
The Bayonet-Lock design is a Bosch innovation that guarantees positive blade positioning—no floating in the jig saw plunger—even under the greatest forward pressure in tough metals.

Ground and Fleam-Ground teeth are a standard part of the Bosch blade manufacturing. Compare the smooth, clean, quality cut you get with Bosch blades and you will see the advantages over merely *filed* or *milled* blades.

Flat, taper grinding completes the high quality processing of Bosch blades to provide added blade strength and blade maneuverability. Compare these factors to *hollow ground* blades.

Make the quality comparison!

M2 Moly-High-Speed-Steel or High Carbon Steel quality controlled to Bosch's exacting standards assure the outstanding performance of every Bosch jig saw blade.



Make the Performance Comparison You will choose The Bosch System

HAMMERS BREAKERS

5-13

HIGH CYCLE BREAKERS GENERATORS

14-16

HAMMER DRILLS

17

DRILLS

18-23

CIRCULAR SAWS

24

PLANERS BELT SANDERS

25

JIG SAWS

26-33

FOAM RUBBER, AND CARPET CUTTERS

34

GRINDERS POLISHERS SANDERS

35-39

SHEARS NIBBLERS

40-43

IMPACT WRENCHES

44-45

SCREWDRIVERS TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE CENTERS

INSIDE
BACK COVER

Jig Saws

For models 1577, 1578, 7598, 8554

		Effective Length	Teeth Per Inch	Teeth Specification	Wood	Metal	Plastics	PART NO. (5 BLADES TO A CARD)	
HAMMERS BREAKERS	5-13								
HIGH CYCLE BREAKERS GENERATORS	14-16	T101 B	2½"	10	ground	Hard and soft wood, plywood and hardboard up to 1¾", very clean cut	Plastics clean cut	2 608 630 030	
HAMMER DRILLS	17	T101 D	2½"	6	ground	Hard and soft wood, plywood and hardboard up to 2¾", very clean cut	Plastics clean cut	2 608 630 032	
DRILLS	18-23	T111 C	2½"	8	saw set	Hard and soft wood up to 2¾", rough cut	Aluminum □ ■ ¼"-¾"	2 608 630 033	
CIRCULAR SAWS	24	T119 A	1½"	20	wavy set	Plywood and hardboard up to ½"	Plastics pressed materials, laminated fabric △ insulated material and cardboard up to ¾"	2 608 630 036	
PLANERS BELT SANDERS	25	T119 B	1½"	12	wavy set	Plywood and hardboard up to 1¼"	Plastics pressed materials, laminated fabric △ insulated material up to ¾"	2 608 630 037	
JIG SAWS	26-33	T119 BO	1¾"	12	wavy set	Scroll cutting for wood and plywood	Plastics pressed materials, laminated fabric △ insulated material up to ¾"	2 608 630 310	
FOAM RUBBER, AND CARPET CUTTERS	34	T144 D	2½"	6	saw set and ground	Hard and soft wood up to 2¾", clean cut	Plastics pressed materials, laminated fabric △ insulated material up to ¾"	2 608 630 040	
GRINDERS POLISHERS SANDERS	35-39	T244 D	2½"	6	saw set and ground	Hard and soft wood up to 2¾", Particularly for cutting curves	Plastics pressed materials, laminated fabric △ insulated material up to ¾"	2 608 630 058	
SHEARS NIBBLERS	40-43	T101 A	2½"	12	ground high speed steel	Nonferrous metal □ ■ Aluminum □ ■ up to ¾" For hollow core metal doors very clean cut	Plastics pressed materials, laminated fabric △ insulated material up to ¾"	2 608 631 010	
IMPACT WRENCHES	44-45	T127 D	2½"	8	saw set high speed steel	Mild steel □ ■ ¾"-1¼" Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ ¾"-5¾" Lead and tin □ up to ¾"	Plastics △ up to 1¼" reinforced plastics up to ¾", asbestos cement □ up to ¾"	2 608 631 017	
SCREWDRIVERS TAPPERS	46-48	T227 D	2½"	8	saw set high speed steel	Mild steel □ ■ ¾"-1¼" Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ ¾"-5¾" Lead and tin □ up to ¾" particularly for cutting curves	Plastics △ up to 1¼" reinforced plastics up to ¾", asbestos cement □ up to ¾"	2 608 631 030	
TAMPER	49	T118 A	1½"	20	wavy set high speed steel	Alloy steel □ Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ ½"-¾"	Reinforced plastics	2 608 631 013	
AIR TOOLS	50-53	T218 A	1½"	20	wavy set high speed steel	Hard and soft wood up to ¾", Particularly for cutting curves	Mild steel □ up to ½" Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ up to ½" Particularly for cutting curves	Plastics △ up to 1¼" reinforced plastics up to ¾", asbestos cement □ up to ¾"	2 608 631 032
SERVICE CENTERS		T118 B	1½"	12	wavy set high speed steel		Mild steel □ ■ ¾"-1¼" Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ ½"-¾"	Reinforced plastics	2 608 631 014
INSIDE BACK COVER		T118 G	1½"	32	wavy set high speed steel		Mild steel □ ■ Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ up to ½". Saw sheet metal under 19 gauge together with a wooden base	Reinforced plastics	2 608 631 012
		T113 A	2¼"		knife ground		Soft rubber ○ up to 1"	2 608 635 045	
		T129/I	2½"		Half round half smooth rasp	For wood working	Cloth, soft plastics Styroform	2 608 609 010*	
		T130/I	2½"		flat half smooth rasp	For wood working		2 608 609 011*	
		T131/I	2½"		triangular half smooth rasp	For wood working		2 608 609 012*	
		T 130	2½"		Carbide Grit (Coarse)	Wood with nails	Plaster on metal lathe	Asbestos cement, Fiberglass, Polyester, Epoxie, Melamines, Silicones.	
		T 150	2½"		Carbide Grit (Medium)	Counter top materials, Tempered hardboard, Plywood, Plywood Laminated materials, Hardwood veneers.	Superalloy sheet metal.	Asbestos cement, Fiberglass, Polyester, Epoxie, Melamines, Silicones, Imitation marble, Ceramic tile, Slate, Cast stone, Clay, Brick.	
								2 608 630 604*	
								2 608 630 605*	

For cooling sawblades use lubricant container 2 605 405 000

□ Cooling with cutting oil or oil emulsion

○ Cooling with water

■ Cooling with turpentine or a mixture of petroleum and turpentine

* Order number for one piece

△ Cooling with silicone oil

For models 575, 1579, 3230, 8550

	Effective Length	Teeth Per Inch	Teeth Specification	Wood	Metal	Plastics	PART NO. (5 BLADES TO A CARD)
T 1 B	2 1/8"	12	ground	Hard and soft wood, plywood and hardboard up to 1"		Plastics	2 608 630 000
T 1 BR	2 1/8"	12	ground	Hard and soft wood, plywood and hardboard up to 1"	clean cut	clean cut	2 608 630 291
T 1 C	2 1/8"	8	ground	Hard and soft wood, plywood and hardboard up to 2"		Plastics	2 608 630 001
T 1 D	2 1/8"	6	ground	Hard and soft wood, plywood and hardboard up to 2"	clean cut	Plastics	2 608 630 002
T 11 C	2 1/8"	8	saw set	Hard and soft wood up to 2"	Aluminum □ ■ 1/8"-3/8"	Plastics	2 608 630 003
				rough cut			
T 11 D	2 1/8"	6	saw set	Hard and soft wood up to 2"	Aluminum □ ■ 1/4"-3/8"	Plastics	2 608 630 004
				rough cut	Lead and tin up to 1/2"		
T 44 C	2 1/8"	8	saw set and ground	Hard and soft wood up to 2" Particularly for cutting curves, outstandingly efficient			2 608 630 009
T 44 D	2 1/8"	6	saw set and ground	Hard and soft wood up to 2" Particularly for cutting curves, outstandingly efficient			2 608 630 010
T 19 A	1 3/4"	25	wavy set	Plywood and hardboard up to 5/8"*		Pressed materials, laminated fabric △ Insulated material and Cardboard up to 1/4"	2 608 630 006
T 19 B	1 3/4"	12	wavy set	Plywood and hardboard up to 1 1/4"*		Pressed materials, laminated fabric △ Insulated material up to 1/2"	2 608 630 007
T 19 BO	1 7/8"	12	wavy set	Scroll cutting for wood and plywood			2 608 630 309
T 57 C	2 1/8"	8	saw set	Hard and soft wood up to 2" rough cut-extremely efficient		Plastics	2 608 630 061
T 1 A	2 1/8"	12	ground high speed steel		Nonferrous metal □ ■ Aluminum □ ■ 1/8"-3/8" very clean cut		2 608 631 000
T 27 D	2 1/8"	6	saw set high speed steel		Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ 1/4"-3/8"	Pressed materials, laminated fabric △ Asbestos cement ○	2 608 630 008
T 18 A	1 3/4"	25	wavy set high speed steel		Mild steel □ Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ up to 1/8". Saw sheet metal under 19 gauge together with a wooden base		2 608 631 002
T 18 B	1 3/4"	12	wavy set high speed steel		Nonferrous metal □ ■ Aluminum and aluminum alloy □ ■ 1/8"-3/8"		2 608 631 003
T 18 G	1 3/4"	32	wavy set high speed steel		Mild steel □ Nonferrous metal □ ■ and aluminum alloy □ ■ up to 1/8". Saw sheet metal under 19 gauge together with wooden base		2 608 631 004
T 13 A	2 1/4"		knife ground			Soft rubber up to 3/4" Cloth soft plastics Polystyrol	2 608 635 015
T 29/2	2 5/8"		Half round half smooth rasp	For wood working			2 608 609 000*
T 30/2	2 5/8"		flat Half smooth rasp	For wood working			2 608 609 001*
T 31/2	2 5/8"		triangular half smooth rasp	For wood working			2 608 609 002*
T 30	2 1/8"		Carbide Grit (Coarse)	Wood with nails	Plaster on metal lathe	Asbestos cement, Fiberglass, Polyester, Epoxy, Melamines, Silicones.	2 608 630 610
T 50	2 1/8"		Carbide Grit (Medium)	Counter top materials, Tempered hardboard, Plywood, Plywood Laminated materials, Hardwood veneers.	Superalloy sheet metal.	Asbestos cement, Fiberglass, Polyester, Epoxy, Melamines, Silicones, Imitation marble, Ceramic tile, Slate, Cast stone, Clay, Brick.	2 608 630 611

For cooling sawblades use lubricant container 2 605 405 000

□ Cooling with cutting oil or oil emulsion

○ Cooling with water

■ Cooling with turpentine or a mixture of petroleum

and turpentine

* Order number for one piece

△ Cooling with silicone oil

• If 2 608 630 006...007 (T 19 A and T 19 B) is unsatisfactory, use 2 601 631 002...003 (T 18 A and T 18 B) same pitch of teeth

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Foam Rubber Cutters

1575, 7595 Foam Rubber Cutters/Carpet Cutters

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS
18-23

CIRCULAR
SAWS
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FOAM RUBBER,
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WRENCHES
44-45

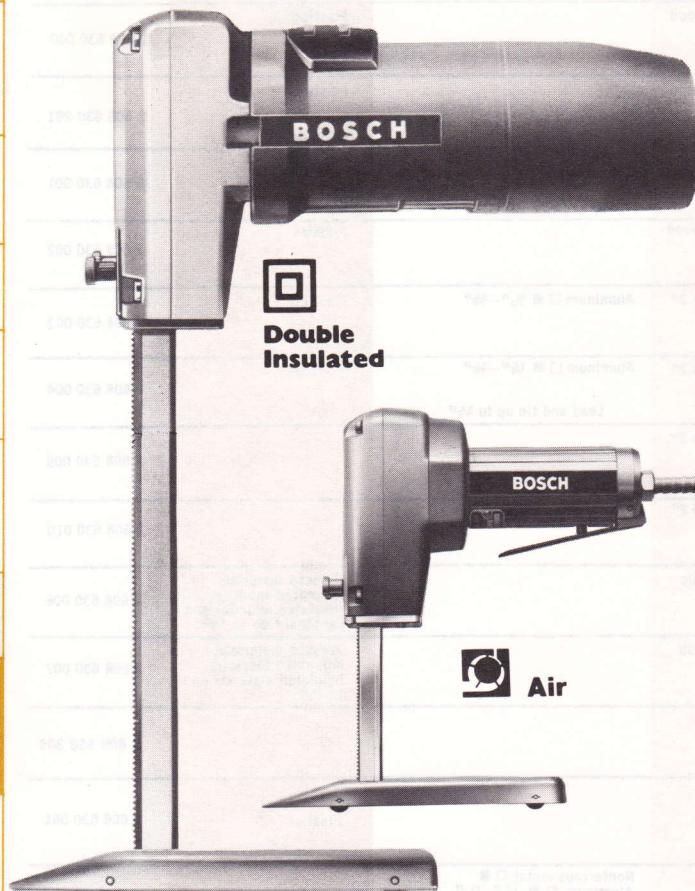
SCREWDRIVERS
TAPPERS
46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS

INSIDE
BACK COVER



MODEL 1575 FOAM RUBBER CUTTER

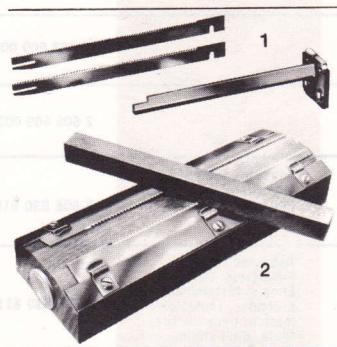
- 3"; 5"; 8"; or 12" cutting depth.
- Slim and compact enough for the smallest hand.
- Only 2 1/4" diameter—3.5 lbs.
- Easy to guide on roller bearing foot plate.
- Quick changeover to any of four cutting depths.
- Supplied with: blade pair, blade guide (specify length when ordering), foot plate with rollers, screwdriver.
- **SPECIFICATIONS:**
3200 strokes/min., 115V-AC,
9 1/4" length 3.5 lbs.
- Cuts all kinds of carpets, including shag.

MODEL 7595 FOAM RUBBER CUTTER

- 3"; 5"; 8"; or 12" cutting depth.
- Slim and compact enough for the smallest hand.
- Only 1 1/2" diameter—2.6 lbs.
- Easy to guide on roller bearing foot plate.
- Quick changeover to any of four cutting depths.
- Supplied with: foot plate with rollers, screwdriver. Order blades and guide separately.
- **SPECIFICATIONS:**
3800 Strokes/Min. at 90 P.S.I.
6' Length
2.6 Lbs.
- Cuts all kinds of carpets, including shag.



FOAM RUBBER CUTTER ACCESSORIES



NO.	DESCRIPTION	MODEL	PART NO.
1	3" blade pair	1575, 7595	2 607 018 013
	3" guide		2 608 135 023
	5" blade pair		2 607 018 010
	5" guide		2 608 135 020
	8" blade pair		2 607 018 011
	8" guide		2 608 135 021
	12" blade pair		2 607 018 012
	12" guide		2 608 135 022
	Blade sharpener complete		2 608 133 000
	Whetstone only		2 607 929 000

Grinders, Polishers, Sanders

1327 "Minimax" Grinder!

MODEL 1327
"MINIMAX" GRINDER

• SPECIFICATIONS:

115V-AC, 60 Hz

11,000 no load r.p.m.

Maximum wheel diameter 4 1/2"

Standard 7/8" wheel arbor

"Mini"-size—"Max"-power

new



Only 4 1/2 lbs!

4 1/2" Angle Grinder for grinding, cutting, brushing, sanding

SUPPLIED WITH

DESCRIPTION	PART NO.
4 1/2" guard	2 605 510 002
Auxiliary handle	2 602 025 006
2 wheel flanges	1 603 340 009
1 4 1/2" x 7/8" x 1/4" depressed center wheel for steel	2 608 600 003
1 spanner wrench	1 607 950 005
1 allen wrench	1 689 005 004
owner's manual	—

OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Cut-off wheel (stone)	2 608 600 004
Cut-off wheel (steel)	2 608 600 005
Wire cup brush	2 608 614 000
Carrying case	2 605 438 005
Rubber backing pad w/mounting	2 608 601 005

SANDING DISCS

GRIT	PART NO.
24	2 608 604 009
30	2 698 604 010
40	2 608 604 011
50	2 608 604 012
60	2 608 604 013
80	2 608 604 014
100	2 608 604 015
120	2 608 604 016

Features

- Double insulation.
- Ball and needle bearings.
- Thumb controlled switch with lock-on feature.
- Precision cut, hardened gears.
- Long life, super efficient motor.
- Cool operation.

Applications

- Tool and die work.
Roughing in, clean-up.
- Farm machinery maintenance.
Blade sharpening, cutting.
- Welding shops—machine shops.
Grinding in confined areas.
- Building renovation.
Paint and rust removal.
- Plant maintenance.
Filing applications, light grinding.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Grinders, Polishers, Sanders

1328, 1329, 300, 301, 1323 Polishers/Sanders

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
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SHEARS
NIBBLERS

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IMPACT
WRENCHES

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SCREWDRIVERS
TAPPERS

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TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER



MODEL 1328, 7" SANDER-POLISHER

- Perfect for polishing metal, wood & stone.
- Lightweight, compact & durable.
- Supplied with: 7" rubber backing pad, lambswool bonnet, auxiliary handle, open end wrench.

MODEL 1329, 7" SANDER

- For light to medium sanding, metal, wood
- Optimum speed for fast material removal.
- Supplied with: 7" rubber backing pad, auxiliary handle, open end wrench.

MODEL 300, 7" SANDER

- Powerful, compact, lightweight.
- Well balanced, easy to handle.
- 7" rubber backing pad available for sanding (see page 38).
- 7" guard available for use with grinding wheels (see page 38) for proper guards and accessories.
- Supplied with auxiliary handle, open end wrench.

MODEL 301, 7" SANDER-POLISHER

- Heavy duty.
- For all finishes—perfect for acrylic lacquer
- 2700 RPM, works faster, gives smoother finishes.
- Supplied with: 7" rubber backing pad, lambswool bonnet, auxiliary handle, open end wrench.

MODEL 1323, 7"-9" SANDER

- Highly reliable and ruggedly built.
- For industrial, maintenance and service trade applications.
- Optimum speed (5000 RPM), high torque for maximum efficiency.
- 9" rubber backing pad available for sanding (see page 38).
- 7" and 9" guard available for use with grinding wheels (see page 38) for proper guards and accessories.
- Supplied with 7" rubber backing pad, auxiliary handle, open end wrench.

Double Insulated



1321, 1322, 1306, 1307 Grinders



MODEL 1321, 7" GRINDER

- Outstanding for dependable production, industrial, and service trades applications.
- Lightweight, less user fatigue.
- High speed 17,000 feet per minute removes materials faster.
- Supplied with: removable left and right hand auxiliary handle, wheel adapter kit, and guard.

MODEL 1322, 7"-9" GRINDER

- Outstanding for dependable industrial, maintenance and service trades applications.
- Lightweight, less user fatigue.
- High speed (6500 RPM), high torque for max. grinding efficiency.
- Supplied with: removable left and right hand auxiliary handle, wheel adapter kit, and guard.

MODEL 1306, 7" GRINDER

- For super duty continuous use.
- High torque-no loss of speed under heavier loads.
- 2 H.P. motor, burn-out resistant windings for max. power and long life.
- Supplied with: side handle, adapter kit and guard.

MODEL 1307, 7"-9" GRINDER

- For continuous use super duty applications.
- High spindle speed (6500 RPM) removes more material, prolongs wheel life.
- 2 H.P. motor, burn-out resistant windings for max. power and long life.
- Supplied with: side handle, adapter kit and guard.

MODEL	DUTY	MAX. CAPACITIES/INCHES		115V-AC; DC AVAILABLE AT SPECIAL REQUEST					
		DEPRESSED CENTER WHEEL (DIA.)	CUT OFF WHEEL (DIA.)	CUP WHEEL (DIA.)	SANDING DISCS (DIA.)	NO LOAD RPM	PEAK H.P. AT SPINDLE	LENGTH	NET LBS.
1328	Standard	—	—	—	7"	1950	.625	16 1/4"	7.0
1329	Standard	7"	7"	—	7"	4900	.625	16 1/4"	7.0
300	Heavy	7"	7"	—	7"	4900	1.0	16 1/4"	7.8
301	Heavy	—	—	—	7"	2700	1.0	16 1/4"	7.8
1321	Heavy	7"	7"	4"	7"	8500	1.4	18"	11.0
1322	Heavy	9"	9"	4"	7"	6500	1.4	18"	11.0
1323	Heavy	9"	9"	5"	9"	5000	1.4	18"	11.0
1306	Super	7"	7"	4"	7"	8500	2.0	19"	13.0
1307	Super	9"	9"	5"	7"	6500	2.0	19"	13.0

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Grinders, Polishers, Sanders

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS
14-16

HAMMER
DRILLS
17

DRILLS
18-23

CIRCULAR
SAWS
24

PLANERS
BELT
SANDERS
25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
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GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
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40-43

IMPACT
WRENCHES
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SCREWDRIVERS
TAPPERS
46-48

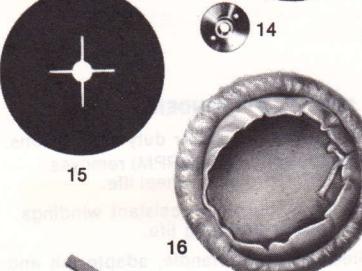
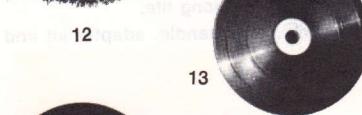
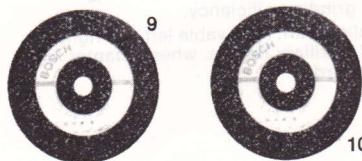
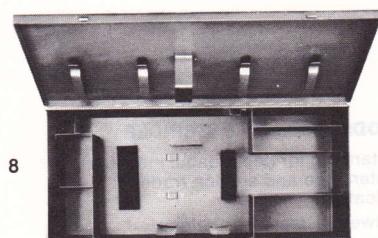
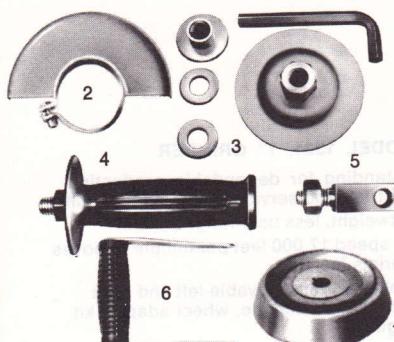
TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

Accessories

¹
(not shown)



FOR ANGLE GRINDERS, POLISHERS, & SANDERS

NO.	DESCRIPTION	MODEL	PART NO.
1	3/4" spindle wrench	for all angle grinders, polishers and sanders	T 3030
2	7" guard 9" guard	300, 1306, 1317, 1321 1307, 1308, 1318, 1320, 1322, 1323	1 605 510 083 1 605 510 082
3	adapter kit for 7" and 9" type 27 dep. center wheels washer (included in kit)	for all angle grinders	1 607 000 025 T 3035
4	side handle	all models	1 602 025 022
5	angle adapter	for side handle 1 602 025 016	1 603 527 017
6	spade handle for flat grinding	all models	1 602 025 010
	2 screws, 2 lock washers	for spade handle 1 602 025 010	1 603 450 002
7	4" guard 5" guard 6" guard	for 4" flared cup wheels for 5" flared cup wheels for 6" flared cup wheels	T 3007 T 3008 T 3009
8	metal carrying case	for all angle grinders	1 605 438 006

FOR ANGLE GRINDERS, POLISHERS, & SANDERS

NO.	DESCRIPTION	MAXIMUM SPEED	FOR	PART NO.
9	type 27 depressed center wheels (aluminum oxide wheels for metal) 7" x 1/8" x 7/8" 7" x 1/4" x 7/8" 9" x 1/8" x 7/8" 9" x 1/4" x 7/8"	8,500 rpm 8,500 rpm 6,500 rpm 6,500 rpm	steel, iron steel, iron steel, iron steel, iron	1 608 600 227 1 608 600 228 1 608 600 229 1 608 600 230
10	type 27 depressed center silicon carbide wheels for non-ferrous metals, masonry, etc. 7" x 1/4" x 7/8" 9" x 1/4" x 7/8"	8,500 rpm 6,500 rpm	stone stone	1 608 600 237 1 608 600 238
11	flared cup wheels 4" x 5/8"-11 thread	8500 rpm 8500 rpm	steel, iron stone	1 608 600 232 1 608 600 240
12	ultra wire cup brush with supporting ring 4" x 5/8"-11 thread 5" x 5/8"-11 thread	8,500 rpm	steel, iron	1 608 614 001 1 608 614 002
13	rubber backing pad rubber backing pad	8,500 rpm 6,500 rpm	7" dia. 9" dia.	1 608 601 008 1 608 601 009
14	nut for rubber backing pad spanner wrench			1 603 345 005 1 607 950 005
15	sanding discs grit 16 grit 24 grit 36 grit 50 grit 80 grit 16 grit 24 grit 36 grit 50 grit 80	8,500 rpm 8,500 rpm 8,500 rpm 8,500 rpm 8,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm	7" dia. 7" dia. 7" dia. 7" dia. 7" dia. 9" dia. 9" dia. 9" dia. 9" dia. 9" dia.	1 608 604 027 1 608 604 028 1 608 604 030 1 608 604 029 1 608 604 031 1 608 604 034 1 608 604 035 1 608 604 037 1 608 604 036 1 608 604 038
16	wool bonnet	2,000 rpm	7" dia.	1 608 610 000
17	grinder bench stand			0 601 999 005

Double Insulated

Grinders—1204 Utility, 1205 Die, 1201 Straight



□ MODEL 1204, 1/4" UTILITY GRINDER

- The perfect all around high speed utility grinder.
- Lightweight, compact, powerful.
- Supplied with: 2 mounted points, 1 dressing stone, 1 open end wrench, 1 locking pin.

□ MODEL 1205, 1/4" DIE GRINDER

- Versatile, precision Die Grinder for die shop and maintenance use.
- Lightweight and rugged.
- Adaptable for tool post grinding.
- Supplied with: 1 dressing stone, 2 open end wrenches.

□ MODEL 1201, 4" STRAIGHT GRINDER

- Perfect for welding shops—surface preparation, de-burring.
- Lightweight, well balanced.
- Optimum speed and power for max. grinding efficiency.
- Supplied with: 1 open end wrench, 1 allen wrench, 1-4" wheel guard T 3002.

MAX. CAPACITIES/INCHES

MODEL	MOUNTED POINTS (DIA.)	POLISHING HEADS (DIA.)	POLISHING WHEELS (DIA.)	WHEELS (DIA.)	NO LOAD SPEED RPM	PEAK H.P.	LENGTH OVERALL	NET LBS.
*1201	—	—	—	4	9000	0.8	23	9
1204	1	1 1/4	2	—	26000	N.A.	7	2 3/4
1205	1	1	2	—	27000	N.A.	13	5

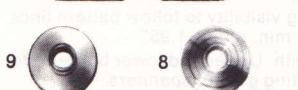
*DC AVAILABLE ON SPECIAL REQUEST



4 (not shown)



6



7

8

ACCESSORIES FOR DIE AND STRAIGHT GRINDERS

NO.	DESCRIPTION	MODEL	PART NO.
1	1/8" collet 1/4" collet	1204 1204	2 608 570 068 2 608 570 066
2	1/8" collet 1/4" collet	1205 1205	2 608 570 083 2 608 570 085
3	handle	1204	2 602 025 008
4	suspension bracket	1204	1 604 682 001
5	tool post clamp tool post clamp-adjustable	1205 1205	1 608 040 047 1 608 040 054
6	allen key	tool clamp	1 689 005 004
7	4" guard	1201	T 3002
8	back flange	1201	1 605 703 051
9	front flange	1201	1 600 114 037
	4" x 1" silicon carbide grinding wheel	1201	1 608 600 058
	4" x 1" aluminum oxide grinding wheel	1201	1 608 600 059

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
SANDERS

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SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Shears, Nibblers

Double Insulated



1500, 1504, 1502, 1501 Shears

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

18-23

CIRCULAR
SAWS

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PLANERS
BELT
SANDERS

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AND CARPET
CUTTERS

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POLISHERS
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SHEARS
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IMPACT
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AIR TOOLS

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SERVICE
CENTERS

INSIDE
BACK COVER



MODEL 1500, 16 GAUGE SHEAR

- 16 Gauge (.0598") in mild steel.
 - Compact—perfectly balanced—lightweight, only 3 lbs.
 - 5000 SPM assures smooth, fast cutting through angles and curves.
 - Outstanding visibility to follow pattern lines perfectly — min. radius .780"
 - Supplied with: Upper and lower blade, wrench, setting gauge.
- **SPECIFICATIONS:**
5300 strokes/min., 115V-AC,
8" length, 3 lbs.

MODEL 1504, 14 GAUGE SHEAR

- 14 Gauge, (.0747") in mild steel.
 - Upper blade is of double-edge design: when first edge is worn, reverse blade and continue with same blade.
 - New blade support, improved cutting speed and curve cutting: Minimum radius .750".
 - Compact, lightweight, convenient handling.
 - Supplied with: Upper and lower blade, setting gauge, wrench.
- **SPECIFICATIONS:**
1520 strokes/min., 115V-AC,
9 1/8" length, 6 lbs.

MODEL 1502, 10 GAUGE SHEAR

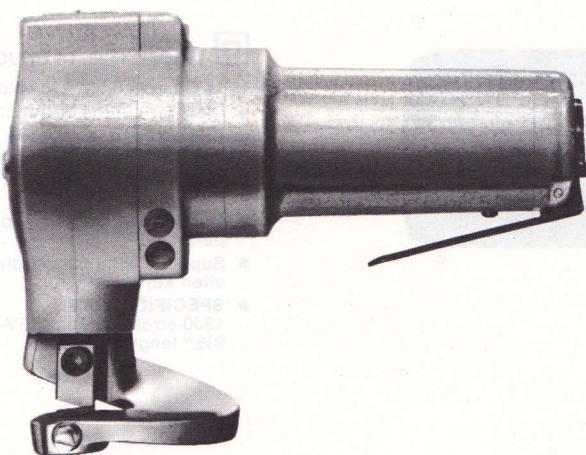
- 10 Gauge (.1345") in mild steel.
 - Outstanding visibility to follow pattern lines perfectly — min. radius .975"
 - Fast cutting — shear cuts smoothly through angles and curves.
 - Supplied with: Upper and lower blade, setting gauge, wrench.
- **SPECIFICATIONS:**
2000 strokes/min., 115V-AC.
11 1/2" length, 12 lbs.

MODEL 1501, 8 GAUGE SHEAR

- 8 Gauge (.1644") in mild steel.
 - Fast cutting 12/20 ft. per min.
 - Outstanding visibility to follow pattern lines perfectly — min. radius 1.95"
 - Supplied with: Upper and lower blade, side handle, setting gauge, spanners.
- **SPECIFICATIONS:**
1000 strokes/min., 115V-AC.
21" length, 19.5 lbs.

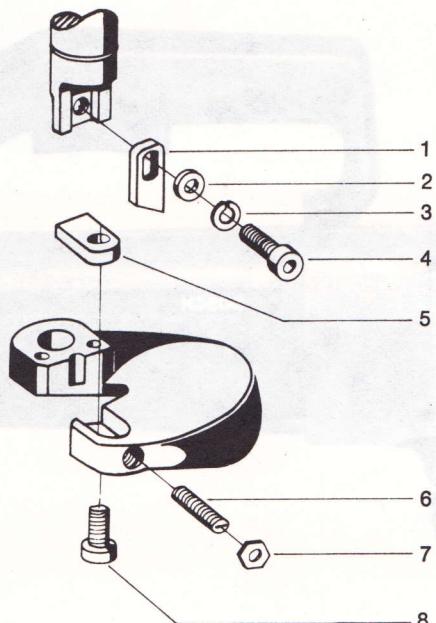


7500 Pneumatic Shear



14 GA. PNEUMATIC SHEAR, MODEL 7500

- Outstanding performer where air is available or desired.
 - Min. cutting radius .750"
 - Lowest noise level in the market.
 - Fast and efficient for all around sheet metal cutting and trimming.
 - **SPECIFICATIONS:**
- 14 Gauge (.0747") in mild steel.
2200 strokes/min.
8" length, 5½ lbs.



Replacement Parts for Shears

NO.	DESCRIPTION	MODEL 1500	MODEL 1501	MODEL 1502	MODEL 1504	MODEL 7500
1	Upper Blade	2 608 635 003	1 608 635 015	1 608 635 015	2 608 635 065	2 608 635 005
2	Upper Blade Washer	2 916 011 010	1 609 201 000	1 609 201 000	—	—
3	Upper Blade Lock Washer	—	2 916 680 033	2 916 680 033	—	—
4	Upper Blade Screw	2 603 414 001	2 910 141 201	2 910 141 199	2 603 414 026	2 603 414 025
5	Lower Blade	2 608 635 000	1 608 635 014	1 608 635 014	2 608 635 042	2 608 635 007
6	Adjusting Screw	2 912 031 091	2 910 021 091	2 912 041 191	2 603 400 011	2 910 061 128
7	Adjusting Nut	2 915 051 109	—	—	—	2 915 011 005
8	Lower Blade Screw	2 603 414 001	2 910 141 196	2 910 141 196	2 603 414 024	2 603 070 000

Shears, Nibblers

Double
Insulated 

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

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DRILLS

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PLANERS
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JIG SAWS

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FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

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SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

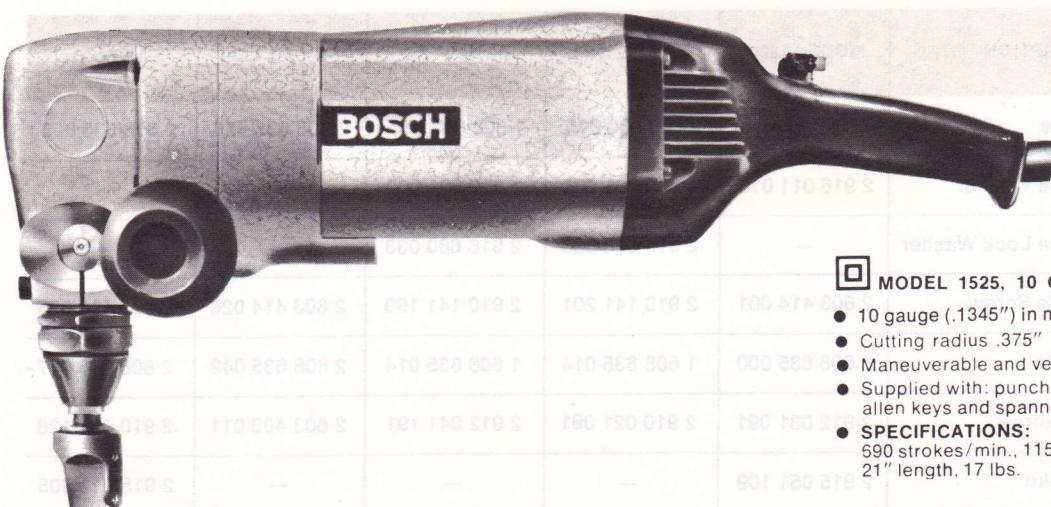
AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

1528, 1527, 1525 Nibblers



MODEL 1528, 14 GAUGE NIBBLER

- 14 Gauge (.0747") in mild steel.
- Ideal for cutting corrugated materials.
- Cutting head to respond to 360° directional guiding pressure—no hand maneuvering.
- Cutting radius .250".
- Outstanding visibility—follow patterns perfectly.
- Supplied with: punch, die, die holder, allen key.
- **SPECIFICATIONS:**
1300 strokes/min., 115V-AC, 9½" length, 4.5 lbs.

MODEL 1527, 12 GAUGE NIBBLER

- 12 Gauge (.1046") in mild steel.
- Outstanding visibility — follow pattern perfectly.
- 2 pole switch located in the top handle for true one-hand operation.
- Cutting radius .250"
- Supplied with: fork spanners, wrenches, allen keys.
- **SPECIFICATIONS:**
1150 strokes/min., 115V-AC, 11¾" length, 11.8 lbs.

MODEL 1525, 10 GAUGE NIBBLER

- 10 gauge (.1345") in mild steel.
- Cutting radius .375"
- Maneuverable and versatile.
- Supplied with: punch, die, side handle, allen keys and spanners.
- **SPECIFICATIONS:**
690 strokes/min., 115V-AC, 21" length, 17 lbs.



7503 Pneumatic Nibbler



16 GA. PNEUMATIC NIBBLER, MODEL 7503

- Efficient, quiet air-driven unit for those who prefer air.
- Min. cutting radius .250".
- Extended versatility with 360° revolving head — ideal for pattern work.
- Cuts corrugated materials quick and clean.
- **SPECIFICATIONS:**

16 Gauge (.059") in mild steel.
1460 strokes/min
8" length, 4 lbs.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

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SCREWDRIVERS
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TAMPER

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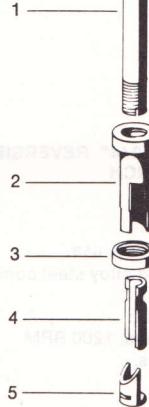
AIR TOOLS

50-53

SERVICE
CENTERS

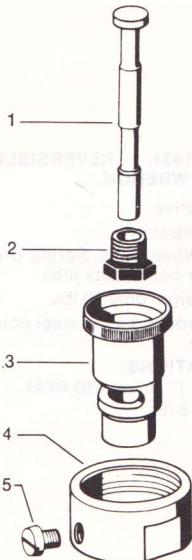
INSIDE
BACK COVER

Replacement Parts for Nibblers



NO.	DESCRIPTION	MODEL 1525	MODEL 1527
1	Carrier Pin for Aluminum	1 603 052 008	1 609 235 001
1	Carrier Pin for Steel	1 603 052 009	1 609 235 002
2	Punch	1 608 635 023	1 609 286 052
3	Die for Steel	1 608 635 022 (14Ga)	1 609 286 051 (20Ga)
3	Die for Steel	1 608 635 021 (10Ga)	1 609 286 053 (12Ga)
4	Support Sleeve	1 600 322 030	1 609 203 008
5	Bushing	1 609 203 000	1 609 203 007

Replacement Parts for Nibblers



NO.	DESCRIPTION	MODEL 1528	MODEL 7503
1	Punch	2 608 639 013	2 608 639 013
2	Retainer Nut	2 603 455 006	2 603 455 006
3	Die Assembly, Straight Cuts	2 608 639 900	2 608 639 900
3	Die Assembly, Corrugated Cuts	2 608 639 901	2 608 639 901
4	Collar	2 603 314 016	2 603 314 016
5	Locking Screw	2 910 011 148	2 910 011 148

Impact Wrenches

**Double
Insulated** 

1432, 1432K, 1430, 1431 Impact Wrenches

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

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SAWS

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FOAM RUBBER,
AND CARPET
CUTTERS

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GRINDERS
POLISHERS
SANDERS

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IMPACT
WRENCHES

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SCREWDRIVERS
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TAMPER

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AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER



MODEL 1432, 1/2" REVERSIBLE IMPACT WRENCH

- 1/2" Square drive.
- 3/4" Bolt capacity.
- For repair shops, service stations, garages and maintaining.
- Special design, only 6.6 lbs.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**
3/4" bolts, 1/2" drive, 1600 RPM
115V-AC, 6.6 lbs.

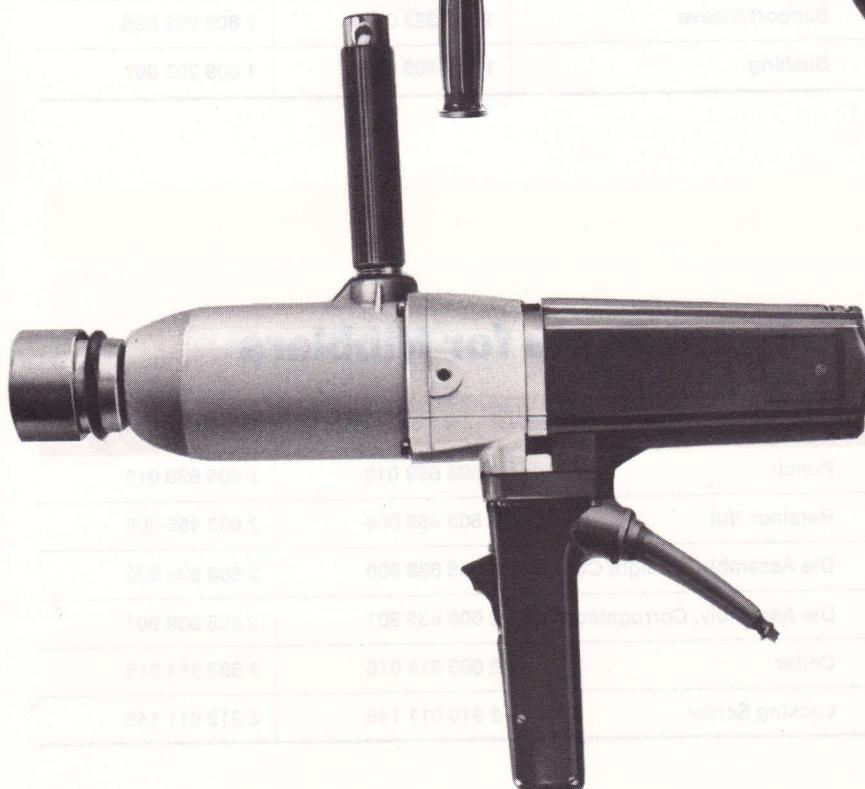
1432K IMPACT WRENCH KIT INCLUDES:

#1432	1/2" Reversible Impact Wrench	T2205	1 1/16" Hex Socket
T2202	1/2" Hex Socket	T2206	3/4" Hex Socket
T2203	5/16" Hex Socket	T2207	1 3/16" Hex Socket
T2204	5/8" Hex Socket	T2215	Carrying Case



MODEL 1430, 3/4" REVERSIBLE IMPACT WRENCH

- 3/4" square drive.
- 7/8" bolt capacity.
- For super heavy duty use.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**
7/8" bolts, 3/4" drive, 1200 RPM
115V-AC, 11.5 lbs.



MODEL 1431, 1" REVERSIBLE IMPACT WRENCH

- 1" square drive.
- 1 1/4" bolt capacity.
- For Budd Wheel Nuts, Spring U-Bolts and other super heavy duty jobs.
- Special design, only 19 lbs.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**
1 1/4" bolts, 1" drive, 850 RPM
115V-AC, 19 lbs.



7450 592, 590, 591, 189 Air Impact Wrenches

Bosch Wrenches are built to perform under rough conditions at nameplate specification—built-in lubricators provide for operations without fully equipped air distribution systems. Torque control on all models allows step-down to smaller bolt sizes and adaption to different materials.



**7450 590 3/4" WRENCH
3/4" BOLT CAPACITY**

**7450 591 1" WRENCH
3/4" BOLT CAPACITY**

- Lightweight, powerful.
- Rugged, precision-engineered impact mechanism.
- Reversible, 3-step torque control in forward action.
- Friction retainer.

SPECIFICATIONS

MODEL NO.	NO LOAD RPM	BLOWS/MIN.	DRIVE	BOLT CAP.	WEIGHT LBS.	RETAINER	REC HOSE	N.P.T.
7450 592	6700	1300	1/2"	5/8"	8.5	Friction	3/4"	1/4"
7450 590	6000	1180	3/4"	3/4"	12.3	Friction	1/2"	3/8"
7450 591	6000	1180	1"	3/4"	12.3	Friction	1/2"	3/8"
7450 189	5500	920	1"	1"	22.9	Friction	1/2"	1/2"

Pin and ring socket retainer for models 590, 591, and 189 available on request.



**7450 592 1/2" WRENCH
5/8" BOLT CAPACITY**

- Reversible action at full torque.
- Fastening action adjustable in 4 steps.
- Well balanced, full ball and roller bearing design.
- Friction retainer.



**7450 189 1" WRENCH,
1" BOLT CAPACITY**

- The super heavy duty wrench with all the power and all the features.
- Built-in lubricator.
- Reversible at full torque.
- 3 step torque adjustment in forward action.
- Lightweight—well-balanced.
- Friction retainer.



Impact Wrench Accessories

MODELS 1432 & 7450 592 1/2" DRIVE			MODELS 1430 & 7450 590 3/4" DRIVE			MODELS 1431 & 7450 591, 7450 189 1" DRIVE		
3/8"	Socket	T2200	3/4"	Socket	T2230	1"	Socket	T2260
5/16"	Socket	T2201	13/16"	Socket	T2231	1 1/16"	Socket	T2261
1/2"	Socket	T2202	7/8"	Socket	T2232	1 1/8"	Socket	T2262
9/16"	Socket	T2203	15/16"	Socket	T2233	1 3/16"	Socket	T2263
5/8"	Socket	T2204	1"	Socket	T2234	1 1/4"	Socket	T2264
1 1/16"	Socket	T2205	1 1/4"	Socket	T2235	1 5/16"	Socket	T2265
3/4"	Socket	T2206	1 1/8"	Socket	T2236	1 3/8"	Socket	T2266
1 3/16"	Socket	T2207	1 3/4"	Socket	T2237	1 7/16"	Socket	T2267
7/8"	Socket	T2208	1 1/2"	Socket	T2238	1 1/2"	Socket	T2268
1 5/16"	Socket	T2209	1 5/8"	Socket	T2239	1 1/8"	Socket	T2269
1"	Socket	T2210	1 3/8"	Socket	T2240	1 5/8"	Socket	T2270
1 1/8"	Socket	T2211	1 1/2"	Socket	T2241	1 11/16"	Socket	T2271
Universal Joint		T2220	1 1/2"	Socket	T2242	1 3/4"	Socket	T2272
5" Extension		T2221	Universal Joint		T2250	1 13/16"	Socket	T2273
10" Extension		T2222	7" Extension		T2251	1 7/8"	Socket	T2274
3 Jawed Jacobs Chuck		T1904	14" Extension		T2252	2"	Socket	T2275
Collet Chuck		T1905	Retainer Pin		T2255	7" Extension		T2280
			O—Ring		T2256	Retainer Pin		T2285
						O—Ring		T2286

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS
18-23

CIRCULAR
SAWS
24

PLANERS
BELT
SANDERS
25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

Screwdrivers

1406, 1408 Reversible, Drywall Screwdrivers

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER



MODEL 1406 DRYWALL SCREWDRIVER

- Full range of speeds available reversing.
 - For super heavy duty use.
 - Positive clutch with adjusting screw for driving torque control.
 - Quick change bit holder.
 - Precise screw depth control with threaded nose piece.
 - Well balanced in weight.
- **SPECIFICATIONS:**
115V-AC, 3.3 lbs. — see table below



MODEL 1408, DRYWALL SCREWDRIVER

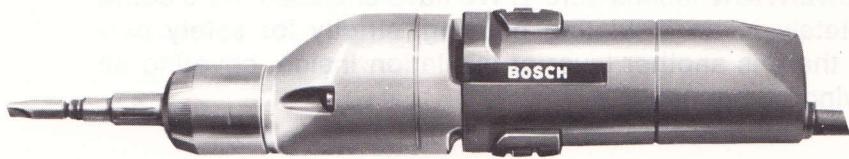
- Heavy duty.
 - Positive clutch, pre-set for max. torque, accurate depth control.
 - Well balanced, lightweight.
 - For drywall applications, wood & metal studding.
- **SPECIFICATIONS:**
115V-AC, 3.6 lbs., — see table below

Specifications

DUTY	MODEL NO.	ORDER NO.	LENGTH	RPM
Heavy	1406	0 601 406 034	9 1/4"	2800
Heavy	1408	0 601 408 034	9 1/4"	2800



1401, 1402, 1403—Screwdrivers



MODEL 1401, REVERSIBLE SCREWDRIVER

- $\frac{1}{4}$ " Hex drive.
- Adjustable roller clutch.
- Lightweight and compact.
- Only $2\frac{1}{4}$ " Dia., easy to handle.
- For industry, workshop and assembly lines.
- **SPECIFICATIONS:**
No. 10 Wood screws, 900 RPM,
115V-AC, 4 lbs.



MODEL 1402, REVERSIBLE SCREWDRIVER

- $\frac{1}{4}$ " Hex drive.
- Adjustable roller clutch.
- For super heavy duty use.
- Compact, pistol grip in line design.
- Heavy duty reversing switch.
- **SPECIFICATIONS:**
No. 12 wood screws, 900 RPM,
115V-AC, 4 lbs.



MODEL 1403, REVERSIBLE SCREWDRIVER

- $\frac{7}{16}$ " Hex drive.
- Adjustable roller clutch.
- For super heavy duty use.
- Compact, pistol grip in line design.
- Special burnout resistant motor windings.
- **SPECIFICATIONS:**
No. 16 wood screws, 750 RPM,
115V-AC, 5.5 lbs.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS
18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Tappers

Double Insulated



HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS
17

DRILLS
18-23

CIRCULAR
SAWS
24

PLANERS
BELT
SANDERS
25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

SCREWDRIVERS
TAPPERS
46-48

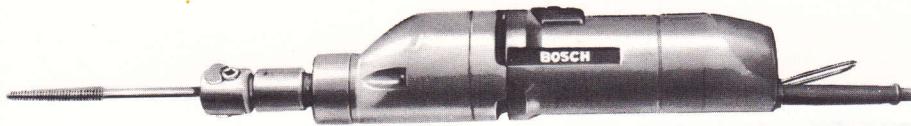
TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

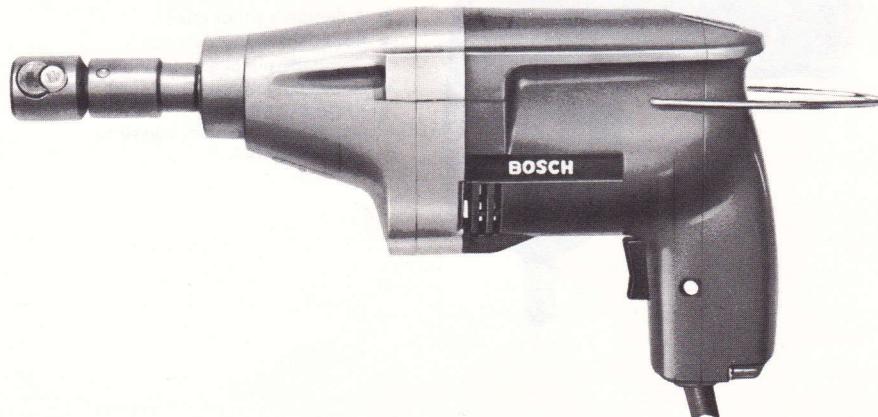
1460, 1461—Tappers

DOUBLE INSULATION means safety: We have enclosed the electric motor completely in an insulating housing, strictly for safety purposes, while there is another layer of insulation inside, covering all current carrying components.



MODEL 1460, 1/4" TAPPER

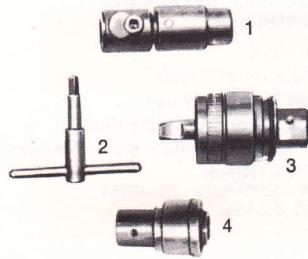
- Automatic reversing — "Push-Pull."
- Lightweight and compact.
- Only 2 1/4" Dia., easy to handle.
- Self-aligning chuck coupling prevents tap breakage.
- **SPECIFICATIONS:**
460 RPM forward, 980 RPM reverse,
115V-AC, 4 lbs.



MODEL 1461, 3/8" TAPPER

- Full 3/8" tap capacity.
- Automatic reversing — "Push-Pull."
- Pistol grip and comfort contoured body for positive handling.
- Self-aligning chuck coupling prevents tap breakage.
- **SPECIFICATIONS:**
350 RPM forward, 750 RPM reverse,
115V-AC, 4.9 lbs.

Accessories

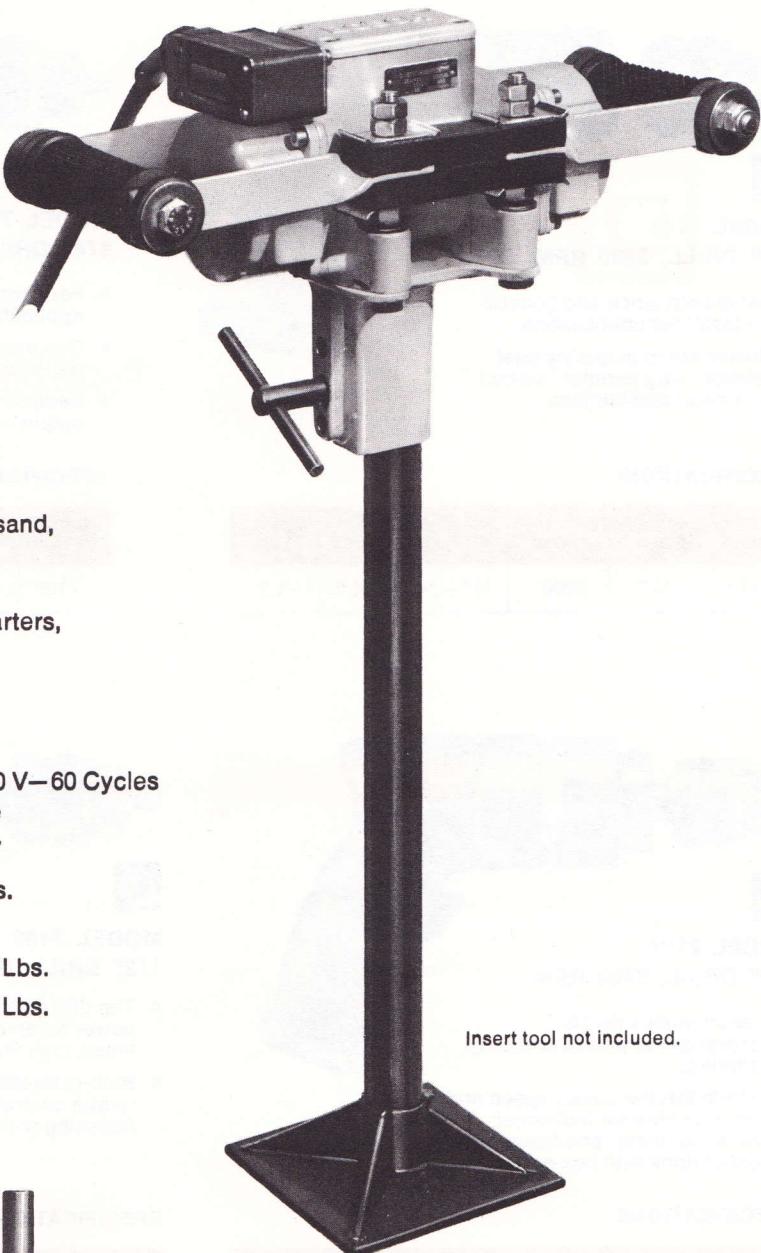


NO.	MODEL NO.	DESCRIPTION	ORDER NO.
1	1460 1461	Replacement Chuck	1 608 573 000
2	1460 1461	Key for Chuck (1 608 573 000)	1 607 950 002
3	1460 1461	Slip Clutch for Blind Holes	1 606 407 001
4	1460 1461	"Quick-Change" Chuck	1 608 572 503
	1460* 1461	Side handle	2 602 025 008

* For use with 1460 order reducing collar 1 600 220 023

Tamper

18900 Electric Tamper



MODEL 18900 ELECTRIC TAMPER

- Compact, lightweight unit
- Ruggedly built
- Anti-vibration handles
- For industrial applications:
Linings of furnaces, compacting of sand,
vibrating forms
- For construction purposes:
Compacting of concrete in tight quarters,
form vibration, tamping

TECHNICAL DATA:

Input:	280 W
Voltage:	230/460 V—60 Cycles
	3 Phase
Tamping Depth:	up to 4"
Weight:	26.5 Lbs.
Centrifugal Force:	
With Standard Equipment:	330 Ft./Lbs.
With Optional Equipment:	525 Ft./Lbs.

Insert tool not included.

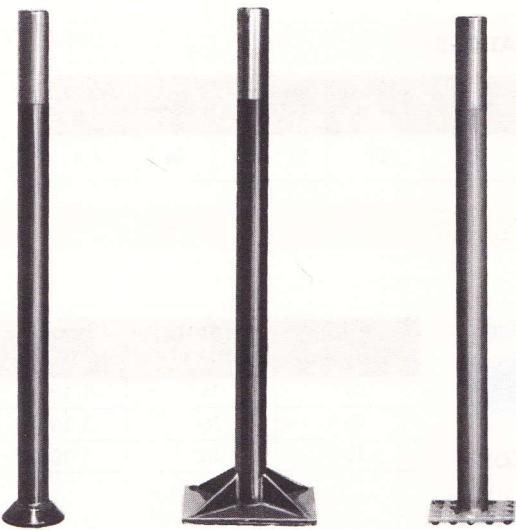


Fig. 1

Fig. 2

Fig. 3

INSERT TOOLS:

for MOLDS				
Length	Tamping Plate	Order Number	Fig.	
11.8"	* 2.8" DIA.	1 618 603 300	1	
21½"	2.8" DIA.	1 618 603 301		

for VIBRATING CONCRETE, STONE, CONCRETE FLOOR, etc.				
Length	Tamping Plate	Order Number	Fig.	
21½"	4" x 3"	1 618 603 302	2	
21½"	6" x 6"	1 618 603 303		
21½"	7.8" x 1.4"	1 618 603 304		

for COMPRESSING SAND				
Length	Tamping Plate	Order Number	Fig.	
21½"	4" x 3"	1 618 603 305	3	
21½"	4" x 1.6"	1 618 603 306		

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Air Tools

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

7113, 7109, 7101, 7103—Air Drills



MODEL 7113

1/4" DRILL, 3200 RPM

- For maintenance and general professional applications.
- Unsurpassed in quality-cost relation, very popular in wood and metal applications.

SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7113	1/4"	3200	3/8"—24	3/8"	1.7



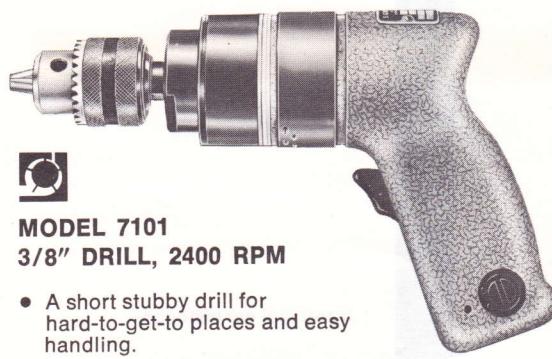
MODEL 7109

1/4" DRILL, 2600 RPM

- For continuous heavy duty application.
- Compact and handy design reduces operator fatigue.
- Reduction gear increases torque output and tool efficiency.

SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7109	1/4"	2600	3/8"—24	3/8"	1.6



MODEL 7101

3/8" DRILL, 2400 RPM

- A short stubby drill for hard-to-get-to places and easy handling.
- Built-in throttle allows speed and torque control for individual drilling diameter and fastening applications with hex-adapter.

SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7101	3/8"	2400	1/2"—20	3/8"	3.5



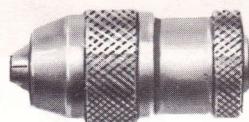
MODEL 7103

1/2" DRILL, 800 RPM

- The drill with an almost unlimited power reserve for large diameter holes, high torque and low speed.
- Built-in throttle for speed and torque control for drilling and fastening with hex-adapter.

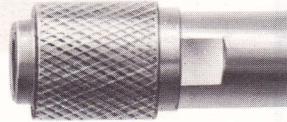
SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7103	1/2"	800	1/2"—20	3/8"	4.4



KEYLESS CHUCKS

5/16" CAP. #2 608 572 002
3/8" CAP. #1 608 572 007
1/2" CAP. #1 608 572 009



HEX-ADAPTORS

Quick-change Hex-Adaptors to convert any drill into a stall-torque screwdriver.

SPINDLE THREAD	INTERNAL HEX	PART NO.
3/8"	1/4"	T 1900
3/8"	7/16"	T 1901
1/2"	7/16"	T 1902



7595 Foam Rubber Cutters, 7598 Jig Saw, 7500 Shear, 7503 Nibbler

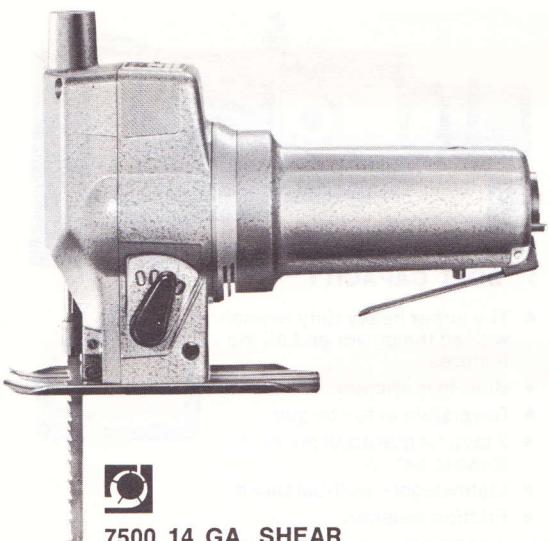


7595 FOAM RUBBER CUTTER

- Quick change over to any of four cutting depths: 3", 5", 8", or 12".
- Easy to guide on roller bearing foot plate.
- Also cuts all kinds of carpets including shag.
- Supplied with screwdriver, foot plate, scraper.
- Order blades and guide separately.

SPECIFICATIONS

MODEL NO.	STROKE/MIN.	WEIGHT
7595	3,800	2.6 lbs.



7500 14 GA. SHEAR

- Min. cutting radius .750".
- Lowest noise level in the market.
- Fast and efficient for all around sheet metal cutting and trimming.

SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	WEIGHT
7500	14 Ga./.074"	5.5 lbs.

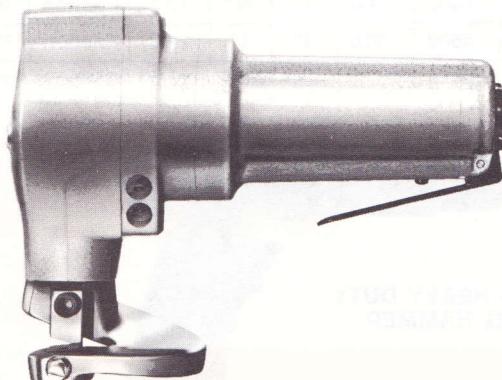


7598 THE ORIGINAL PNEUMATIC JIG SAW

- The first pneumatic jig saw on the market.
- Lowest noise level in the industry
- Adjustable orbital blade action.
- Full 1" stroke.

SPECIFICATIONS

MODEL NO.	STROKE	CAPACITY WOOD	CAPACITY METAL	CAPACITY STEEL	WEIGHT
7598	1"	2 3/8"	3/4"	1/4"	4.8 lbs.



7503 16 GA. NIBBLER

- Efficient, quiet unit.
- Min. cutting radius .125".
- Extended versatility with 360° revolving head — ideal for pattern work.
- Cuts corrugated materials quick and clean.

SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	WEIGHT
7503	16 Ga./.059"	4.5 lbs.

HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

14-16

HAMMER
DRILLS

17

DRILLS

18-23

CIRCULAR
SAWS

24

PLANERS
BELT
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,
AND CARPET
CUTTERS

34

GRINDERS
POLISHERS
SANDERS

35-39

SHEARS
NIBBLERS

40-43

IMPACT
WRENCHES

44-45

SCREWDRIVERS
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE
CENTERS

INSIDE
BACK COVER

Air Tools

HAMMERS
BREAKERS
5-13

HIGH CYCLE
BREAKERS
GENERATORS
14-16

HAMMER
DRILLS
17

DRILLS
18-23

CIRCULAR
SAWS
24

PLANERS
BELT
SANDERS
25

JIG SAWS
26-33

FOAM RUBBER,
AND CARPET
CUTTERS
34

GRINDERS
POLISHERS
SANDERS
35-39

SHEARS
NIBBLERS
40-43

IMPACT
WRENCHES
44-45

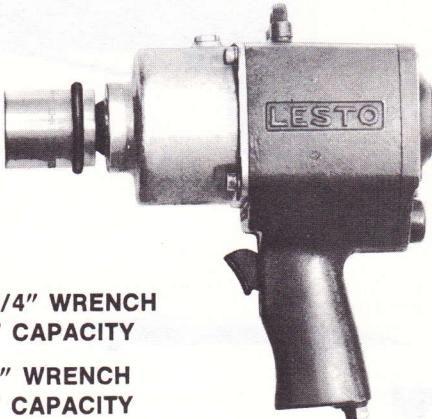
SCREWDRIVERS
TAPPERS
46-48

TAMPER
49

AIR TOOLS
50-53

SERVICE
CENTERS
INSIDE
BACK COVER

7450 590, 7450 591, 7450 592, 7450 189 Impact – Wrenches. 7550 584, 7500 585 Chipping Hammers



**7450 590 3/4" WRENCH
3/4" BOLT CAPACITY**

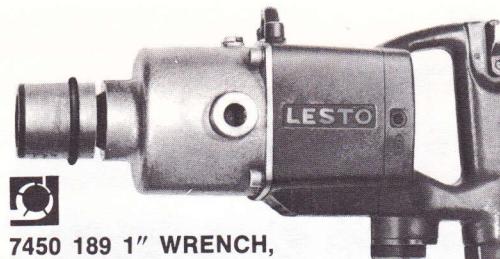
**7450 591 1" WRENCH
3/4" BOLT CAPACITY**

- Lightweight, powerful.
- Rugged, precision-engineered impact mechanism.
- Reversible, 3-step torque control in forward action.
- Friction retainer.



**7450 592 1/2" WRENCH
5/8" BOLT CAPACITY**

- Reversible action at full torque.
- Fastening action adjustable in 4 steps.
- Well balanced, full ball and roller bearing design.
- Friction retainer



**7450 189 1" WRENCH,
1" BOLT CAPACITY**

- The super heavy duty wrench with all the power and all the features.
- Built-in lubricator.
- Reversible at full torque.
- 3 step torque adjustment in forward action.
- Lightweight—well-balanced.
- Friction retainer.



SPECIFICATIONS

MODEL NO.	NO LOAD RPM	BLOWS/MIN.	DRIVE	BOLT CAP.	WEIGHT LBS.	RETAINER	REC HOSE	N.P.T.
7450 592	6700	1300	1/2"	5/8"	8.5	Friction	3/4"	1/4"
7450 590	6000	1180	3/4"	3/4"	12.3	Friction	1/2"	5/8"
7450 591	6000	1180	1"	3/4"	12.3	Friction	1/2"	5/8"
7450 189	5500	920	1"	1"	22.9	Friction	1/2"	1/2"

Pin and ring socket retainer for models 590, 591, and 189 available on request.



**7550 584 HEAVY DUTY
CHIPPING HAMMER**

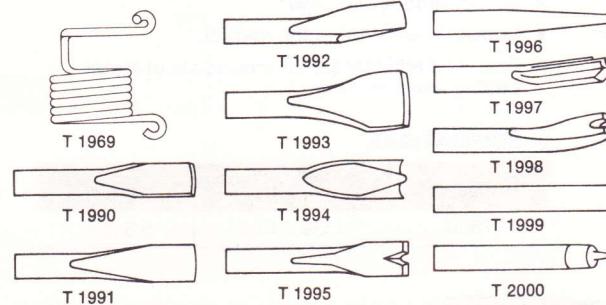


**7550 585 SUPER HEAVY
DUTY CHIPPING HAMMER**

SPECIFICATIONS

MODEL NO.	STROKE	BLOWS/MIN.	WEIGHT	INSERT TAPER
7550 584	2 5/8"	3600	2.8	.401" Parker
7550 585	3 1/8"	3300	3.2	.401" Parker

CHIPPING HAMMER ACCESSORIES



PART NO.	DESCRIPTION	LENGTH	CUTTING WIDTH
T 1969	Quick Change Retainer		
T 1990	Flat Chisel	7"	3/4"
T 1991	Flat Chisel	10 1/2"	3/4"
T 1992	Rivet Cutter	5 1/2"	
T 1993	Scraper	6 1/2"	1 1/4"
T 1994	Double Blade Panel Cutter	6"	
T 1995	Spot Weld Breaker	7"	
T 1996	Tapered Punch	7"	
T 1997	Muffler Cutter	8"	
T 1998	Claw Ripper	5"	
T 1999	Chisel Blank	7"	
T 2000	Number 8 Piercing Punch		



7200 Die Grinder, 7550 181 Descaling Hammer 7350 Angle Grinder, Air Tool Accessory Range



7200 DIE GRINDER, 24000 RPM

SPECIFICATIONS

MODEL NO.	NO LOAD RPM	MAX. WHEEL DIA.	WEIGHT LBS.
7200	24,000	1"	1.1



STANDARD EQUIPMENT

1/4" Collet	2 608 570 061	Whetstone	1 607 929 000
Spanner 3/8"	1 689 005 025	Lubricator	2 607 400 004
Spanner 1/4"	1 689 005 026	Optional 1/8" Collet	2 608 570 063



7550 181 DESCALING HAMMER

SPECIFICATIONS

MODEL NO.	NO. OF RODS	STROKES/MIN.	WEIGHT LBS.	REC. HOSE
7550 181	19	4000	5.1	3/8"



EXTRA ACCESSORIES

Spare Rods (set of 19) 1 607 000 027



7350 ANGLE GRINDER

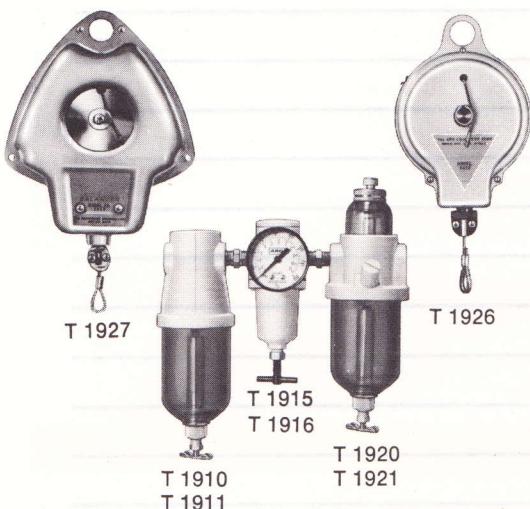
SPECIFICATIONS

MODEL NO.	NO LOAD RPM	MAX. WHEEL DIA.	WEIGHT LBS.
7350	21,000	3"	2.7



STANDARD EQUIPMENT

Mounting Flange	1 609 310 091
Guard	1 609 310 046
Allen Key	1 609 310 097
Pin Spanner	1 609 310 098



DESCRIPTION	PART NO.
3/8" Filter	T 1910
1/2" Filter	T 1911
3/8" Regulator with 0-160 P.S.I. gauge	T 1915
1/2" Regulator with 0-160 P.S.I. gauge	T 1916
3/8" Lubricator	T 1920
1/2" Lubricator	T 1921
0- 5 Lb. Balancer	T 1926
5-10 Lb. Balancer	T 1927

FEMALE THREAD COUPLERS

3/8" CAPACITY		1/2" CAPACITY	
THREAD SIZE	PART NO.	THREAD SIZE	PART NO.
3/8"	T 1940	1/2"	T 1942
1/2"	T 1941		



FEMALE THREAD CONNECTORS

3/8"	T 1970	1/2"	T 1972
1/2"	T 1971		



MALE THREAD COUPLERS

3/8" CAPACITY		1/2" CAPACITY	
THREAD SIZE	PART NO.	THREAD SIZE	PART NO.
3/8"	T 1930	1/2"	T 1932
1/2"	T 1931		



MALE THREAD CONNECTORS

3/8"	T 1960	1/2"	T 1962
1/2"	T 1961		



HOSE INSERT COUPLERS

3/8" CAPACITY		1/2" CAPACITY	
HOSE SIZE	PART NO.	HOSE SIZE	PART NO.
3/8" I.D.	T 1950	1/2" I.D.	T 1951



HOSE INSERT CONNECTORS

3/8" I.D.	T 1980	1/2" I.D.	T 1981
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HAMMERS
BREAKERS

5-13

HIGH CYCLE
BREAKERS
GENERATORS

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HAMMER
DRILLS

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DRILLS

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CENTERS

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NOTES

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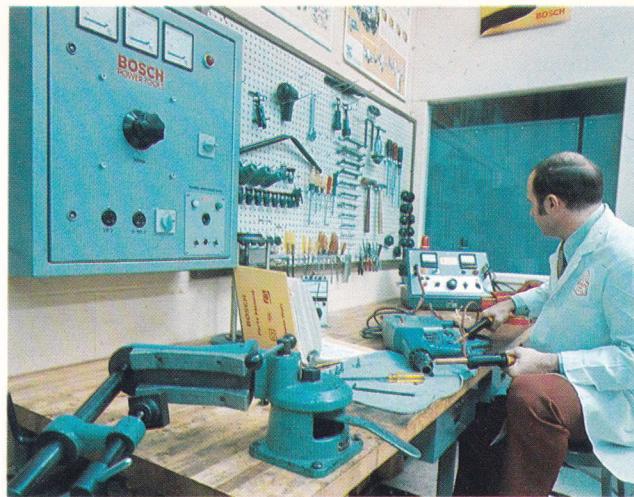
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